SECOND SUPPLEMENTAL INVESTIGATION REPORT FOR THE TRUCK FILL STATION, WATER TANK, AND NORTHEAST SETTLING POND AREAS

DEFENSE FUEL SUPPORT POINT NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

Prepared for

Defense Energy Support Center
8725 John J. Kingman Road
Fort Belvoir, Virginia 22060-6222

October 14, 2010

Prepared by

PARSONS

100 WEST WALNUT STREET • PASADENA • CALIFORNIA 91124

SECOND SUPPLEMENTAL INVESTIGATION REPORT FOR THE TRUCK FILL STATION, WATER TANK, AND NORTHEAST SETTLING POND AREAS

DEFENSE FUEL SUPPORT POINT NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

Prepared for

Defense Energy Support Center
8725 John J. Kingman Road
Fort Belvoir, Virginia 22060-6222

October 14, 2010

Prepared by

PARSONS
100 WEST WALNUT STREET
PASADENA • CALIFORNIA 91124

Prepared by: _____
Quin Kinnebrew, P.G., Senior Geologist

Reviewed by: _____
Frederick Kintzer, P.G., Sr. Technical Consultant

Reviewed by: _____
Redwan Hassan, P.G., Project Manager

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

TABLES (following text)

FIGURES

APPENDICES

ABBREVIATIONS AND ACRONYMS

µg/kg	micrograms per kilogram
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylenes
Calscience	Calscience Environmental Laboratories, Inc.
DESC	Defense Energy Support Center
DFSP	Defense Fuel Support Point
DigAlert	Underground Service Alert
DPT	direct-push technology
FID	Flame-ionization detector
IDW	investigation-derived waste
JP	jet propellant
KMEP	Kinder Morgan Energy Partners, L.P.
LCS/LCSD	laboratory control sample/laboratory control sample duplicate
mg/kg	milligrams per kilogram
MS/MSD	matrix spike/matrix spike duplicate
MTBE	methyl tert-butyl ether
PID	photoionization detector
PPE	personal protective equipment
QA/QC	quality assurance/quality control
RWQCB	Regional Water Quality Control Board, Los Angeles Region
SFPP	Santa Fe Pacific Pipeline, L.P.
Site	Defense Fuel Support Point Norwalk facility
SubSurface	SubSurface Surveys & Associates, Inc.
TBA	tert-butyl alcohol
TFS	truck fill station
TPH	total petroleum hydrocarbons
TPHg	total petroleum hydrocarbons as gasoline
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

1 INTRODUCTION

This report presents the results of the second supplemental investigation conducted in the former truck fill station (TFS), water tank area, and former settling pond in the northeast (NE) corner of the Defense Fuel Support Point (DFSP) Norwalk facility (site) located at 15306 Norwalk Boulevard, Norwalk, CA (Figure 1-1). This report has been prepared on behalf of the Defense Energy Support Center (DESC).

1.1 Site Description

The DFSP Norwalk facility is a 50-acre facility consisting of 12 inactive aboveground fuel storage tanks and associated piping and facilities. The DFSP is owned by the DESC. The tanks had a total maximum capacity of 35 million gallons that previously stored jet propellant (JP)-5 and JP-8 and reportedly also aviation gasoline and JP-4. There are also non-operational truck fill stations and various fuel transfer systems. The facility was decommissioned in 2001 and is no longer used to handle fuel.

Santa Fe Pacific Pipeline, L.P. (SFPP), an operating partner of Kinder Morgan Energy Partners, L.P. (KMEP), currently leases a 2-acre easement along the southern and eastern boundaries of DFSP for operation of its pipelines, which convey gasoline, diesel, and jet fuel. Within the southern easement lie three active pipelines, one of which is 16-inch diameter (designated LS-1) that bends at the southeastern corner of the facility and continues northward within the eastern easement (adjacent to Holifield Park). An abandoned pipeline, likely owned or formerly operated by Golden West Pipeline, also runs along the eastern boundary of the DFSP Norwalk facility. The DESC has decommissioned the site, but SFPP continues to operate their pipelines.

1.2 Objectives

The areas of investigation for this study included the TFS, a water tank area located north of the TFS, and the former settling pond in the NE corner of the site (Figure 1-2). The purpose of this second supplemental soil investigation was to further assess the distribution of contaminants in these areas. Data collected during the previous supplemental soil investigation were not considered sufficient to adequately assess the extent and nature of contaminants at these locations.

Once extent of impacts in soil at the TFS, water tank, and NE corner of the site have fully been defined, the second object of this task is to evaluate remedial options and provide recommendations for each of these three areas at the site.

2 FIELD ACTIVITIES

This section discusses the field activities conducted in accordance with the work plan and work plan addendum[1]. Approval of these plans was received from the Regional Water Quality Control Board (RWQCB)[2] in a letter dated April 23, 2010. The field activities conducted during this second supplemental investigation included the performance of a Gore™ Survey (soil gas survey) and soil sampling.

The Gore™ survey was conducted between May 3 and 7, 2010 and included the sampling of soil gas at 97 locations. The Gore™ survey report, discussed in Section 2.2, is provided in Appendix A. The soil investigation, conducted between June 9 and 14, 2010, included the use of direct-push technology (DPT) at 25 locations (DPT-20 through DPT-31 and DPT-33 through DPT-45). The locations of these borings are provided on Figure 2-1 and 2-2. The sampling procedures are discussed in Section 2.3.

2.1 Geophysical Clearance

Underground Service Alert (DigAlert) was notified of our subsurface activities at least 48 hours before beginning field work. The planned sampling locations were clearly marked with white paint. DigAlert contacted all utility owners within the site vicinity and notified them of the subsurface investigation plans.

In addition to notifying DigAlert, each boring location and surrounding areas were surveyed using a combination of electromagnetic induction and ground-penetrating radar instruments to investigate and clear all boring locations for any subsurface obstructions (e.g., piping, utilities, metallic debris, etc.). SubSurface Surveys & Associates, Inc. (SubSurface) conducted the geophysical survey immediately prior to the start of the field investigation. The utility lines were clearly marked at each planned sampling location. Two of the sampling locations (DPT- 31 and DPT-32) were removed from the sampling program due to the number and close proximity of underground pipelines. No other planned sampling locations were moved significantly as a result of interference with underground utility lines.

---

1 Parsons, 2009, *Supplemental Investigation Work Plan for Truck Fill Station, Water Tank, and Northeast Settling Pond Areas, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California*, dated July 16.

Parsons, 2010, *Addendum to Supplemental Investigation Work Plan for Truck Fill Station, Water Tank, and Northeast Settling Pond Areas, Defense fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California*, dated April 1.

2 RWQCB, 2010, *Workplan Approval – Addendum to Supplemental Investigation Work Plan for Truck Fill Station, Water Tank, and Northeast Settling Pond Areas,Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP NO. 0286A, Site No. 16638)*, letter dated April 23.

2.2 Gore™ Survey

Based on the historical results from 1990-1992 aerial photographs and the relatively small benzene concentration detected in soil during the September/October 2009 investigation, there appeared to be a petroleum hydrocarbon source in soil in the northeast corner of the site (at the former settling pond) that had yet to be identified. Since the exact area of the former settling pond was unknown, a GORE™ survey was proposed to identify areas underlain with volatile fuel-related products.

Gore™ survey technology uses a time-integrated, sorbent-based approach to identifying volatile chemicals of concern in the subsurface over relatively large areas. The Gore™ sampling module is a waterproof, vapor-permeable membrane that can collect soil gas under any conditions, including saturated soils. The module protects the sorbent, while exposure time (four days for this screening event) maximizes sensitivity to a broad range of compounds at low concentrations.

The Gore™ survey was conducted in the site's NE corner between May 3 and 7, 2010. It covered an approximate area 275 feet long by 175 feet wide. A 25-foot spaced grid was used across this area. For this survey, a Cartesian coordinate system was used to delineate the location of the grid lines, with the east-west trending grid lines labeled 1 through 11 and the north-south trending grid lines labeled A through G. The approximate location of the former settling pond (an area 90 feet long by 60 feet wide) was covered using a tighter grid with 15-foot spacings. The Gore™ module sampling points, 97 total, were placed at the intersections of the east-west and north-south grid lines.

During the Gore™ survey, a ½- to ¾-inch diameter hole was drilled to a depth of 3 feet at each sampling point using a rotary hammer drill. An insertion rod was used to push the module in place at the bottom of the open hole. A cork capped the hole to prevent surface contamination and atmospheric mixing. The modules were left in place for a four day exposure period before recovery. Once recovered, the Gore™ modules were shipped to the laboratory for TPH and VOC analyses using modified EPA methods 8260 and 8270.

The results of the Gore™ survey are provided in Appendix A. The concentrations of TPH, BTEX compounds (benzene, toluene, ethylbenzene, and xylenes), and carbon range C11, C12, and C15 are provided in Appendix A to this report and in the Appendix 2 of the Gore™ report. The spatial distribution of these compounds is depicted on Figures provided in Appendix A of this report and in Appendix 5 of the Gore™ report. As noted on these figures, the spatial patterns generated during the survey indicate the presence of TPH throughout the entire survey area, with highest detections near grid intersections CD2.5, CD4.5 and C3. The mapped spatial pattern for the carbon range C11, C13, and C15 indicated the presence of these target compounds primarily in the northeastern portion of the survey area with additional detections in the central, northwestern and southwestern portion of the survey area.

Based on a review of the Gore™ data, four DPT borings were scheduled within the site's northeastern portion. These boring locations were placed within the central portions of the areas reported with the highest concentration of TPH, BTEX, and/or C11-C15. These DPT borings were placed at grid intersection B1 (DPT-42), immediately southeast of C3

(DPT-43), between C5 and D4 (DPT-44), and between A10 and A11 (DPT-45). These locations are depicted on Figure 2-2 of this report.

The purpose of the DPT borings within the site's northeastern portion was to assess the contaminant concentrations and extent in soil in the impacted areas identified during the Gore™ survey. The soil sampling methodology, described in the following sections, was similar to that conducted at the TFS and water tanks areas. Additional borings were to be utilized to assess the contaminants extent if impacted soil was identified in the initial four DPT borings in the northeast settling pond area.

2.3 Soil Sampling

Twenty five soil borings (DPT-20 through DPT-31 and DPT-33 through DPT-45) were drilled and sampled at the site on June 9, 10, 11, and 14, 2010. These borings were drilled utilizing a truck-mounted DPT drill rig provided and manned by Gregg Drilling. Borings DPT-20 through DPT-31 and DPT-33 were located within and adjacent to the former TFS in the southern portion of the DFSP facility (Figure 2-1). Borings DPT-34 through DPT-41 were located adjacent to the water tank immediately north of the TFS (Figure 2-1). Borings DPT-42 through DPT-45 were located within the NE portion of the DFSP facility, in the area formerly containing a settling pond (Figure 2-2).

The DPT borings were initially cleared to a depth of 5 feet using a hand auger in order to avoid possible underground utilities. The borings were then continuously sampled to depths up to 25 feet with the DPT drill rig.

Soil samples were collected from the DPT borings using stainless steel drive samplers lined with new and unused acetate sleeves. Immediately following the collection of soil from these borings, the portion of the acetate sleeve representing the depth desired was cut, capped on each end with Teflon tape and plastic caps, labeled, placed in a sealable plastic bag, and stored in an ice-cooled chest. The soil within the remaining portions of the acetate sleeve was used for lithologic descriptions.

Soil collected from the upper portion of the acetate sleeve was reviewed for classification by a California registered geologist. The soil descriptions included texture (grain size; using the Unified Soil Classification System), color (Munsell soil color system), general moisture content, and the possible presence of contamination. A portion of each sample was also placed in a sealable bag for headspace measurements. The headspace of each bag was measured for volatile organic compounds (VOCs) using a photoionization detector (PID) and/or a flame-ionization detector (FID). The PID and FID used during this investigation were calibrated immediately prior to the start of each field day. Soil descriptions and headspace measurements were recorded on Parsons' standard boring log forms. These boring logs are presented in Appendix B of this report.

Following the completion of DPT soil sampling, the open borings were filled from the surface with granular bentonite to within 2 to 4 inches of ground surface. The upper portion of each boring was capped with soil or concrete, depending on the initial surface condition.

2.4 Analytical Methods

Calscience Environmental Laboratories, Inc. (Calscience) analyzed all the samples collected during the investigation. Calscience is certified by the California Department of Health Services Environmental Accreditation Laboratory Program.

As noted in Section 2.3, the collected soil samples were field screened using a PID and FID. Samples with PID or FID measurements greater than 25 ppm were submitted for analyses. Samples with measurements between 10 and 25 ppm were placed on hold. Samples with PID or FID measurements less than 10 ppm were not delivered to the laboratory for analysis. The selected soil samples were analyzed for the following compounds:

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg) using USEPA Method 5030B/8015B (modified);
- TPH as JP-5 using USEPA Method 8015B (modified); and
- VOCs using USEPA Method 5030B/8260B

A summary of the analytical soil results are provided on Table 3-1. Copies of the laboratory reports are provided in Appendix C.

2.5 Equipment Decontamination

All equipment that came into contact with potentially contaminated soil was carefully decontaminated to assure the quality of samples collected and prevent transference of impacted materials from the area sampled. Decontamination was conducted prior to and after each use of equipment. All sampling devices used were decontaminated according to USEPA Region IX recommended procedures. The acetate tubes used to hold the samples were new and unused.

The DPT drilling and sampling equipment used was decontaminated using the following procedures:

- Non-phosphate detergent and tap water wash,
- Initial tap water rinse, and
- Final distilled water rinse.

Sampling equipment used in conjunction with the DPT was decontaminated in the near vicinity of the areas being sampled. Due to the distance between DPT sampling locations, the decontamination area was set up on the side of the DPT rig.

2.6 Field Variations from Work Plan

All field activities were conducted in general conformance with Parsons sampling work plans[3] and consultation with RWQCB[4]. The sampling locations were consistent with those proposed except within the TFS. The two borings proposed along the southern side of this area were not accessible due to underground pipelines, including electric lines and two product lines (16-inch and 24-inch diameters).

No other field variations occurred during this investigation.

2.7 Investigation-Derived Waste Disposal

Different types of investigation-derived waste (IDW) were generated during the field activities that included the following:

- Used personal protective equipment (PPE),
- Disposable sampling equipment,
- Decontamination fluids, and
- Soil cuttings from the soil borings.

IDW was managed and disposed of in accordance with current Federal, State, and local requirements. IDW was labeled and stored in accordance with the requirements of the Los Angeles County Health Department.

Soil cuttings and decontamination water generated during field investigations were collected in properly labeled and sealed U.S. DOT approved 55-gallon drums. The soil and groundwater drums filled while drilling and sampling the DPT borings were placed in the TFS area, near boring DPT-20. Profiling of soil cuttings and waste water was done to ensure appropriate disposal. Proper arrangements were made to haul and dispose of the IDW drums.

Used PPE and disposable equipment was double bagged and placed in a municipal refuse dumpster at the park. These wastes are not considered hazardous and may be sent to a municipal landfill.

[3] Parsons, 2009 and 2010.
[4] RWQCB, 2009.

3 INVESTIGATION RESULTS

This section discusses the results from the investigation.

3.1 Geology & Hydrogeology

DFSP Norwalk is located between the Montebello Forebay and the Downey Plain in the Central Basin pressure area. Approximately 50 to 60 feet of alluvium (primarily sand, gravel, silt, and clay) cover the underlying Lakewood Formation in this area. Alluvial sediments exposed in the area of the site include sand, gravel, silt, and clay. The Lakewood Formation is composed of marine and continental gravel, sand, silt, and clay deposits. The San Pedro Formation underlies the area, approximately 300 feet below grade, and consists of marine and continental gravel, sandy silt, silt, and clay deposits.

The ground surface within the areas of investigation is between approximately 75 and 78 feet above mean sea level[5]. Soil encountered during this and the previous supplemental investigation was comprised primarily of unconsolidated fine sand, silty fine sand, silt, and clay to a depth of 40.5 feet (deepest soil samples collected). The boring logs are presented in Appendix B for those locations logged during this investigation.

Within the TFS and water tank areas, fine sandy silt and silty fine sand were generally encountered between the surface and a depth of approximately 10 feet. Fine sand and silty fine sand were generally encountered between 10 and 28 feet bgs, with intermittently silt and/or clay generally between 20 and 26 feet below ground surface (bgs). Soils beneath the NE corner of the site are primarily comprised of silty fine sand to fine sandy silt between the surface and approximately 4 feet bgs. This is underlain with fine sand to silty fine sand with intermittent silt layers to a depth of 25 feet. Geologic cross sections of the TFS and water tank areas will be included in the revised conceptual site model.

Groundwater was not encountered during this supplemental investigation. The groundwater depths recorded during the previous supplemental field investigation varied in each area. Groundwater beneath the TFS was generally encountered between 28 and 29 feet bgs, with one anomalous groundwater depth of approximately 23.5 feet. Groundwater beneath the water tank area was previously encountered at approximately 23 feet bgs. Groundwater beneath the NE corner of the site was encountered at a depth of approximately 29.5 feet.

3.2 Data Quality Assurance/Quality Control

Selected soil samples collected during this investigation were submitted to Calscience for chemical analyses. This section provides a summary of the quality assurance/quality control (QA/QC) review of the laboratory data prepared by Calscience.

[5] United States Geological Survey (USGS), 1981 (photo revised from 1965), Whittier, California 7.5-Minute Quadrangle (1" = 2,000').

The sampling program consisted of collection and analysis of 42 soil samples. These samples were collected between June 9 and 14, 2010. Each collected soil sample was analyzed for:

- VOCs by EPA Method 5030B/8260B,
- TPHg by EPA Method 5030B/8015B Modified, and
- TPH as JP-5 by EPA Method 3550B/8015B Modified.

Laboratory data were reviewed to evaluate compliance with the method and the quality of the data reported. This data review did not include recalculation or transcription error checking from the raw data. The following areas were covered in this review:

- Data Completeness
- Holding Times and Preservation
- Blanks
- Surrogates
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)
- Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- Data anomalies, and
- Case narrative, if necessary.

Data qualifiers were applied to analytical results during the data validation process, based on adherence to method protocols and QA/QC limits. All data were reviewed and found acceptable and usable based on compliance of quality control procedures as reported. Accordingly, data were used for project purposes with the addition of data qualifiers as discussed above and met data quality objectives.

3.3 Analytical Data

The purpose of this section is to present the results of this and the previous supplemental field investigation to determine if sufficient data have been collected to adequately characterize the nature and extent of impacts at these areas. Selected soil samples collected during this investigation were analyzed for 71 target VOCs, TPHg, and TPH as JP-5. Table 3-1 summarizes the analytical soil data. Appendix C contains the laboratory reports for soil and groundwater results.

3.3.1 Truck Fill Station

The highest concentration of TPHg (16,000 milligrams per kilogram (mg/kg)) and TPH as JP-5 (11,000 mg/kg) were detected at DPT-7 (south-center portion of the TFS) at 25 feet bgs. Benzene was detected at six DPT locations from 10 to 25 feet bgs at a maximum concentration of 390 micrograms per kilogram (µg/kg) at DPT-4 at 25 feet bgs. Methyl-t-butyl ether (MTBE) and tert-butyl alcohol (TBA) were not detected above respective reporting limit in any of the soil samples analyzed. Soil analytical results for the TFS area (TPHg, TPH as JP-5, and BTEX) are presented on Figure 3-1.

Analytical data collected from the TFS area show that fuel contaminants are located beneath most of TFS's central portion. The contaminant concentrations decrease below

or near detection levels at the western and eastern ends of the TFS. They extend north of the TFS up to an estimated 40 feet past its concrete apron. The TFS contaminant plume extends south from the TFS to an estimated 40 feet past the former pump house. Based on the field and analytical data collected, the lateral extent of impacted soil has been adequate assessed within the TFS area and is illustrated on Figure 3-2.

The collected field and analytical data show elevated fuel contaminant concentrations at depths between 5 to 25 feet beneath the TFS. With one exception, the elevated contaminant concentrations were reported between 15 and 25 feet in the areas north and south of the TFS. Elevated contaminant concentrations were reported between 10 and 25 feet immediately south of the former pump house.

3.3.2 Water Tank Area

The highest TPHg and TPH as JP-5 concentrations within the water tank area (14,000 mg/kg and 11,000 mg/kg, respectively) were detected at DPT-17 at 5 feet bgs. Benzene was detected at four DPT locations at 20 and 25 feet bgs at a maximum concentration of 45 µg/kg at DPT-38. MTBE and TBA were not detected above respective reporting limit in any of the soil samples analyzed. Soil analytical results for the water tank area (TPHg, TPH as JP-5, and BTEX) are presented on Figure 3-3.

Analytical data collected from the water tank area show that elevated fuel contaminant concentrations are present in soil south and southwest of the existing tank. The contaminant concentrations decrease below or near detection levels an estimated 60 to 70 feet west and south of the tank. Elevated fuel contaminant concentrations do not appear to extent north or east of the tank. Based on the field and analytical data collected, the lateral extent of impacted soil has been adequate assessed within the water tank area and is illustrated on Figure 3-2.

Elevated fuel contaminant concentrations are present between 5 and 25 feet in soil southwest of the water tank. These elevated concentrations are encountered at depths between 10 and 25 feet south of the tank, and between 20 and 25 feet within this plumes remaining portions.

3.3.3 NE Settling Pond Area

No soil samples were analyzed from the NE corner of the site. TPH was not detected using field instruments, nor were they detected visually or by olfactory sense. However, TPHg was reported at a concentration 0.35 mg/kg in one soil sample (GMW-66-5) collected from this area during the previous investigation. Benzene was detected in three of the soil samples collected, with a maximum concentration of 1.9 µg/kg. MTBE and TBA were not detected above respective reporting limit in any of the soil samples analyzed.

4 SUMMARY OF FINDINGS

The objective of this second supplemental soil investigation at the TFS, water tank, and NE corner of the site was to further assess the nature and extent of fuel contaminants in these areas. The objective of the investigations as outlined above were met by continuous logging and sampling an additional 25 DPT borings, and submittal of 42 collected soil samples for laboratory analysis. A summary of our findings are provided below for each area of investigation:

4.1 Soil Contaminants within the Former Truck Fill Station

- **Contaminant Extent**: The estimated lateral extent of impacted soil within the TFS is depicted on Figure 3-2. As noted on this figure, the fuel contaminants are located beneath most of TFS's central portion and extend to its western and eastern ends. They extend north of the TFS up to an estimated 40 feet past its concrete apron, and then south to an estimated 40 feet past the former pump house.

  With the exception of the plume's southern portion, the lateral extent of impacted soil within the TFS area has been adequately assessed. Some uncertainty remains within the plume's southern portion, where drilling with conventional drill rigs is not possible due to the limited distance between underlying structures (16-inch diameter product pipeline, 24-inch diameter pipeline, and an electrical conduit).

- **Contaminant Mass:** Based on the TPH concentrations reported in soil (Table 3-1) and its estimated horizontal and vertical extent (figure 3-1 and 3-2), approximately 185,000 pounds of fuel-related contaminants remain in soil underlying the TFS area. This is based on the volumes, weights, and average soil TPH concentrations shown on Table 4-1. Detailed mass calculations are included in Appendix D.

4.2 Soil Contaminants within the Water Tank Area

- **Contaminant Extent**: The estimated lateral extent of impacted soil within the water tank area is shown on Figure 3-2. As noted on this figure, elevated contaminant concentrations are present in soil south and southwest of the existing tank. The contaminant concentrations decrease below or near detection levels an estimated 60 to 70 feet west and south of the tank. Elevated fuel contaminant concentrations do not appear to extent east of the tank. Fuel-related contaminants detected in soil west-northwest of the tank are suspected of being the result of smearing during groundwater level increases and decreases.

  Based on the field and analytical data collected to date, the lateral extent of impacted soil has been adequate assessed within the water tank area.

- **Contaminant Mass:** Based on the TPH concentrations reported in soil (Table 3-1) and its estimated horizontal and vertical extent (figures 3-2 and 3-3), approximately 60,300 pounds of fuel-related contaminants remain in soil underlying the water tank area. This is based on the volumes, weights, and average soil TPH concentrations shown on Table 4-2. Detailed mass calculations are included in Appendix D.

4.3 Soil Contaminants within the Site's Northeast Corner

- **Contaminant Extent:** The Gore™ survey conducted within the site's northeast corner indicated four general areas containing detectable fuel-related contaminants in the near-surface soil gases. The central portions of these areas were targeted for sampling during this sampling event, but revealed no detectable contaminants in the collected soil samples. With one exception, soil samples collected from borings within this portion of the site have been reported with no detectable contaminants. Soil samples from one soil boring (GMW-66) were reported with gasoline-range hydrocarbons (5-foot sample at 0.35 mg/kg), benzene (10-foot sample at 0.94 µg/kg), and toluene (5- and 10-foot samples at 1.9 and 1 µg/kg, respectively).

- **Contaminant Mass:** The extent of impacted soil within the site's northeastern corner appear limited to the immediate area around GMW-66. Assuming that an area of 100 square feet was impacted with the contaminants identified in GMW-66, there would be approximately 0.02 pounds of contaminants within this area.

5 EVALUATION OF REMEDIAL OPTIONS AND RECOMMENDATION

The areas of soil impact at the TFS, water tank, and NE corner of the site have been fully defined and the mass of impacts have been calculated as presented in the above section. This section presents a remedial evaluation conducted for soil for the TFS and water tank areas. Due to the apparent absence of a significant contaminant release within the site's NE corner, remedial activities are not recommended within this portion of the site. The purpose of this evaluation is to develop viable remedial action alternatives to meet cleanup goals within the available timeframe.

5.1 Soil Vapor Extraction Performance Evaluation

The TFS and water tank areas have been treating soil using soil vapor extraction (SVE) systems since 2004. The TFS SVE system has nine vent wells and the water tank area has one vent well. The performance of the existing SVE systems was evaluated to determine if SVE would be a viable technology, given the cleanup goals and the limited cleanup timeframe. Also considered was how the proposed cleanup levels might be developed and applied by the RWQCB, Los Angeles Region.

It is important to note that from the start of SVE operation in 2004 through February 2008, the system operated about 50% to 55% of the time. Since February 2008, the system has remained out of operation.

To evaluate performance of the SVE system, average and maximum concentrations of contaminants in soil were compared from the TFS from data collected in March/April 2004 (prior to the start of SVE) to data collected in September 2009 (after about four years of SVE operation). Because benzene and toluene concentrations were mostly non-detect in 2009, only the change in average concentrations over time of TPH as jet fuel, ethylbenzene, and xylenes were compared. Non-detect concentrations were included in calculating averages and valued at one half the detection limits. Table 5-1 presents the summary for the impact of SVE on contaminant concentrations in the TFS.

SVE appears to have significantly reduced contaminant concentrations, but concentrations still exceed cleanup levels. Percent deductions of TPH JP-5 concentrations are less than for ethylbenzene and xylenes, which is expected because TPH as JP-5 contains constituents with relatively low volatility.

The SVE systems have operated over a four year period from 2004 to 2008 with approximately a 50% to 55% uptime average. In general, efficiency of SVE mass removal decreases rapidly with time. Based on this analysis, it is unlikely that continued operation of the existing SVE systems will remove much more mass from the TFS and water tank areas. Some of the remaining contaminant mass appears to be associated with clay and silt layers (TFS DPT-4 at 25 ft, DPT-7 at 20-25 ft, DPT-25 at 15 ft; water tank area DPT-17 at 5 ft, DPT-34 at 25 ft). Additionally, the current vent well configuration does not maximize the efficiency of the SVE systems. The vent wells at the TFS are

spaced 60 to 120 feet from each other, and the single vent well at the water tank area has to remove contaminants up to 85 feet away.

Mass removal could be improved if SVE vent wells were spaced closer together. In order to have SVE systems with vents on 40 foot centers, an additional 15 to 20 vent wells would need to be installed at the TFS, as well as 3 to 4 vent wells at the water tank area. Additional SVE vent wells will remove more contaminant mass.

5.2 Proposed Soil Remediation Goals

The cleanup goals for the site follow the RWQCB Region 4 1996 interim cleanup guidance[6] with the primary goal of protection of groundwater and secondary goal for shallow soil. The uppermost groundwater zone in the site vicinity is a semi-perched unit between depths of approximately 25 and 50 feet bgs and is determined to be non-drinking water. The uppermost groundwater zone overlies the Bellflower aquitard of the Lakewood Formation. The Bellflower aquitard lies between depths of approximately 50 and 80 feet bgs and consists of predominantly clay, silty clay, and sandy clay with some interbedded sand with silt. The Exposition aquifer underlies the Bellflower aquitard between depths of approximately 80 and 220 feet bgs. The potentiometric surface in the Exposition aquifer is approximately 20 feet lower than that in the semi-perched uppermost groundwater zone. This relatively consistent difference in hydraulic heads between the semi-perched upper groundwater zone and the Exposition aquifer suggests that the Bellflower aquitard inhibits the vertical movement of groundwater in the area.

Under the site, the Exposition aquifer is the drinking water aquifer of concern and begins at about 80 feet bgs. Soil impacts beneath the TFS and water tank areas extend from 5 to 25 feet bgs. Therefore, the distance above groundwater to impacted soil is approximately 55 to 85 feet. Based on Table 4-1 in the RWQCB guidance document the soil cleanup goal for TPH with a carbon range of C13-C22 (which represents the higher end of fuel product and jet fuel) is 1,000 mg/kg. The maximum benzene concentration detected was at 25 feet bgs (390 µg/kg) which is about 55 feet above the Exposition aquifer. Based on historical logs of this range, from below the perched groundwater to the top of the Exposition aquifer, lithology is half sand and half silt. By interpolating the table values from the guidance document, soil screening level for benzene in sandy/silty soil, 55 feet above Exposition groundwater, is 33.5 µg/kg.

5.3 Remediation Options

Two options were evaluated for soil remediation at the TFS and water tank areas: 1) excavation; and 2) continue with SVE utilizing an upgraded system.

5.3.1 Option 1: Excavation of Contaminated Soil and Off-Site Disposal

Viability: This option will meet proposed soil remediation goals.

6 California Regional Water Quality Control Board Los Angeles and Ventura Counties Region 4, 1996, *Interim Site Assessment & Cleanup Guidebook*, May.

Option 1 excavates all soil within the contaminated area to 25 feet bgs.

Assumptions: 1 to 1 side wall sloping.

Estimated excavation volumes of contaminated and total excavated soils are presented in Table 5-2.

Assuming 1.5 tons per cubic yard, and costs ranging from $270 to $460 per ton for excavation, disposal, and transportation to a RCRA-permitted facility:

- Option 1 would cost between $24.9 Million and $42.4 Million.

Costs above are based on the Federal Remediation Technology Roundtable (FRTR) Remediation Technologies Screening Matrix and Reference Guide, Version 4.0, for Excavation, Retrieval, and Off-Site Treatment of contaminated soils. Costs of confirmation sampling and permitting were not included. Recommend careful delineation of contaminated soil to minimize excavation volumes and reduce costs of this option.

The volume of soil to be excavated and resulting costs of this alternative could reduced by limiting excavations to targeted areas with the most highly contaminated soil from 15 to 25 feet bgs so that the average concentration in the 15 to 25 foot range meets soil remediation goals. For the water tank area, the deeper excavation would consist of most of the volume outlined in Option 1. However, for the TFS, deeper excavations to 25 feet bgs could be targeted across the middle of the site (in the area of samples DPT-4, 6, 7, 9 and 10). This would reduce the overall volume to be excavated and disposed by about 33% relative to Option 1.

5.3.2 Option 2: Upgrade SVE System

Viability: The current SVE system is unlikely to achieve the proposed soil remediation goals at all sample locations. However, the average of all samples collected in the 2009 sampling event came very close to meeting remediation goals. At the TFS, the average TPH as jet fuel concentration exceeded the remediation goal by only 20%, average total xylenes concentration exceeded its remediation goal by 4%, and the average ethylbenzene concentration was 23% of its remediation goal. It is possible that if additional SVE vents were installed and operated, averaged concentrations would meet remediation goals within the required time. More mass can be removed if more vents are installed at a closer spacing. Recommend target spacing vents approximately 40 feet apart.

Assumptions:

- 16 new vents at the TFS SVE system and 4 new vents at the water tank area (Table 4).
- Screen new vents between 10 and 30 feet bgs.
- Increase blower and air emissions treatment capacity by approximately 3 times the current flow rate.

- Vapor concentrations in extracted air are unlikely to exceed those experienced during initial start up of the SVE systems in 2004.
- Three years of operations and maintenance (O&M).
- After 3 years of operation, conduct soil sampling to define any soil contamination that remains above cleanup goals.

Costs:
- Install 25 new 30-foot deep SVE vent wells.
- Upgrade blower and air emission control.
- Three years O&M.

Note: If after 3 years of operation impacted soil still remains then further remedial options will be evaluated for the remaining soil that exceeds remediation goals. An upgraded SVE should be able to reduce the volume of impacted soil.

5.4 Recommendation

Although the current SVE systems had short-comings, the performance was measurable in the four years of operation and in several areas the system successfully reduced the concentrations to acceptable levels. In light of this, Option 2 is recommended at the TFS and water tank areas, to continue remediation with SVE while expanding the systems as proposed above. More closely-spaced SVE wells under continuous operation should be able to further reduce contaminant concentrations in soil, and should be able to reduce the volume of contaminated soil. As stated above, no remedial action is recommended in the NE corner of the site since it is not warranted based on current data.

SVE blower and system piping upgrades are under-way which should lead to higher efficiency. Parsons will consult with DESC on funding for additional well installation and system enhancements at the TFS and water tank areas for soil remediation.

SVE is the proposed technology to continue operation with the upgraded system for a period of three years. After that time, a performance evaluation will be conducted that will include the collection of soil and soil gas samples. If soil samples still exceed cleanup goals, further remedial options will be evaluated. The upgraded SVE approach should be able to significantly reduce the volume of impacted soil and bring the levels down to cleanup goals.

TABLE

Table 3-1
Soil Analytical Summary Results

All units are µg/kg

Sample Location	Date	TPH as Gasoline	TPH as JP5	Benzene	Toluene	Ethylbenzene	o-Xylene	p/m-Xylene
DPT-20-25	09-Jun-10	**1600**	**< 5000**	< 5	< 5	< 5	< 5	< 5
DPT-21-10	09-Jun-10	< 500	**12000**	< 5	< 5	< 5	< 5	< 5
DPT-21-15	09-Jun-10	**6900**	**8400**	< 5	< 5	< 5	< 5	< 5
DPT-21-20	09-Jun-10	**5100**	**11000**	< 5	< 5	**0.4 J**	< 5	< 5
DPT-21-25	09-Jun-10	< 500	< 5000	< 5	< 5	< 5	< 5	< 5
DPT-22-20	09-Jun-10	< 500	< 5000	< 5	< 5	< 5	< 5	< 5
DPT-22-25	09-Jun-10	**970000**	**1700000**	**36 J**	< 500	**530**	**43 J**	**120 J**
DPT-23-10	09-Jun-10	**1200000**	**2100000**	< 500	< 500	**1200**	**73 J**	**920**
DPT-23-15	09-Jun-10	**4000**	< 5000	< 5	< 5	**0.74 J**	< 5	**0.5 J**
DPT-23-20	09-Jun-10	< 500	< 5000	< 5	< 5	< 5	< 5	< 5
DPT-23-25	09-Jun-10	**3100**	**6000**	< 5	< 5	**0.6 J**	**0.43 J**	**0.41 J**
DPT-24-10	09-Jun-10	< 500	< 5000	< 5	< 5	< 5	< 5	< 5
DPT-24-15	09-Jun-10	**2700000**	**5200000**	< 1000	< 1000	**2800**	**130 J**	**2700**
DPT-24-20	09-Jun-10	**780000**	**1300000**	< 500	< 500	**680**	**25 J**	**210 J**
DPT-24-25	09-Jun-10	**70000**	**74000**	< 5	< 5	**13**	**1.8 J**	**2.9 J**
DPT-25-10	09-Jun-10	**2600000**	**150000**	< 500	< 500	**2300**	**33 J**	**1000**
DPT-25-15	09-Jun-10	**2700000**	**3800000**	< 1000	< 1000	**7400**	**650 J**	**10000**
DPT-25-20	09-Jun-10	**680000**	**720000**	< 500	< 500	**1000**	**97 J**	**130 J**
DPT-25-25	09-Jun-10	**190000**	**520000**	< 500	< 500	**560**	< 500	**460 J**
DPT-27-25	10-Jun-10	< 500	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-28-25	10-Jun-10	**17000**	**53000**	< 500	< 500	**140 J**	< 500	< 500
DPT-29-20	10-Jun-10	**1600000**	**580000**	< 500	< 500	**1400**	**34 J**	**490 J**
DPT-29-25	10-Jun-10	**770000**	**520000**	< 500	< 500	**480 J**	< 500	**78 J**
DPT-30-15	10-Jun-10	**840000**	**1300000**	< 500	< 500	**280 J**	< 500	< 500
DPT-30-20	10-Jun-10	**770000**	**2900000**	< 500	< 500	**320 J**	< 500	< 500
DPT-30-25	10-Jun-10	**1700000**	**8000**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-33-25	10-Jun-10	**1700000**	**2200000**	< 500	< 500	< 500	< 500	< 500
DPT-35-15	10-Jun-10	**570**	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-35-20	10-Jun-10	**6400**	**14000000**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-35-25	10-Jun-10	**1400000**	**2000000**	< 500	< 500	**20 J**	**59 J**	< 500
DPT-36-20	11-Jun-10	**1100**	**8800**	< 5.0	< 5.0	< 5.0	**0.26 J**	< 5.0
DPT-36-25	11-Jun-10	**900**	**14000**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-37-15	11-Jun-10	< 500	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-37-20	11-Jun-10	**520000**	**440000**	< 500	< 500	< 500	< 500	< 500
DPT-37-25	11-Jun-10	**1000**	< 5000	**0.31 J**	< 5.0	**0.72 J**	**0.38 J**	**0.43 J**
DPT-38-15	11-Jun-10	< 500	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-38-20	11-Jun-10	**530**	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-38-25	11-Jun-10	**13000000**	**11000000**	**45 J**	**320 J**	**1600**	**4000**	**6700**
DPT-39-20	11-Jun-10	**1700**	**11000**	< 5.0	< 5.0	**0.24 J**	**0.62 J**	**1.1 J**
DPT-40-20	11-Jun-10	< 500	< 5000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-40-25	11-Jun-10	**670**	< 5000	< 5.0	< 5.0	**0.39 J**	< 5.0	< 5.0
DPT-41-25	11-Jun-10	< 500	< 5000	< 5.0	< 5.0	**0.33 J**	< 5.0	< 5.0
DPT-31-12	14-Jun-10	< 500	**5200**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DPT-34-20	14-Jun-10	**650**	< 5000	< 5.0	< 5.0	**0.19 J**	< 5.0	**0.44 J**
DPT-34-25	14-Jun-10	**8400000**	**12000000**	< 500	< 500	**230 J**	< 500	< 500

Table 4-1

Estimated Mass of TPH Underlying the TFS

Depths (feet)	Estimated Soil Volume (cubic yards)	Estimated Soil Weight (kilograms)	Average TPH Concentration (mg/kg)	TPH Weight (kilograms)
0 to 5	259	352,722	2,864	1,010
5 to 10	2,630	3,577,611	1,192	4,265
10 to 15	4,630	5,298,611	2,607	16,420
15 to 20	6,759	8,195,972	2,983	27,432
20 to 25	7,704	10,480,889	3,319	34,786
			Total	**83,913 kilograms (184,996 pounds)**

Table 4-2

Estimated Mass of TPH Underlying the Water Tank Area

Depths (feet)	Estimated Soil Volume (cubic yards)	Estimated Soil Weight (kilograms)	Average TPH Concentration (mg/kg)	TPH Weight (kilograms)
0 to 5	67	90,700	20,000	1,814
5 to 10	296	403,111	5,416	2,183
10 to 15	611	831,417	4,755	3,953
15 to 20	1444	1,965,167	2,021	3,972
20 to 25	1759	2,393,472	6,451	15,440
			Total	**27,363kilograms (60,324 pounds)**

Table 5-1
Impact of SVE on Contaminant Concentrations in Truck Fill Station Soil

Description	Date of Samples	Number of Boreholes	Number of Samples	TPH as Jet Fuel (mg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)
Cleanup Standard				**1,000**	**680**	**1,750**
Average of Samples from 20 feet below ground surface	2004	13	13	2218	7118	11241
	2009	15	15	1857	2335	1696
	Percent Decrease			**16.3%**	**67.2%**	**84.9%**
Average of All Samples, All Depths	2004	13	34	2164	11742	49690
	2009	24	69	1196	1573	1816
	Percent Decrease			**44.8%**	**86.6%**	**96.3%**
Maximum Concentration in Any Sample, Any Depth	2004	13	34	17000	250000	1320000
	2009	24	69	11000	21000	51000
	Percent Decrease			**35.3%**	**91.6%**	**96.1%**

Table 5-2

Estimated Excavation Volumes

Area	Option 1a		Option 1b	
	Excavate all contaminated soil to 25 ft bgs		Excavate most highly contaminated soil to 25 ft bgs	
	Volume Contaminated Soil (cy)	Total Excavation Volume (cy)	Volume Contaminated Soil (cy)	Total Excavation Volume (cy)
Truck Fill Station	21,981	47,800	12,319	26,042
Water Tank Area	4,178	13,700	4,178	13,700
Total	26,159	61,500	16,479	39,742

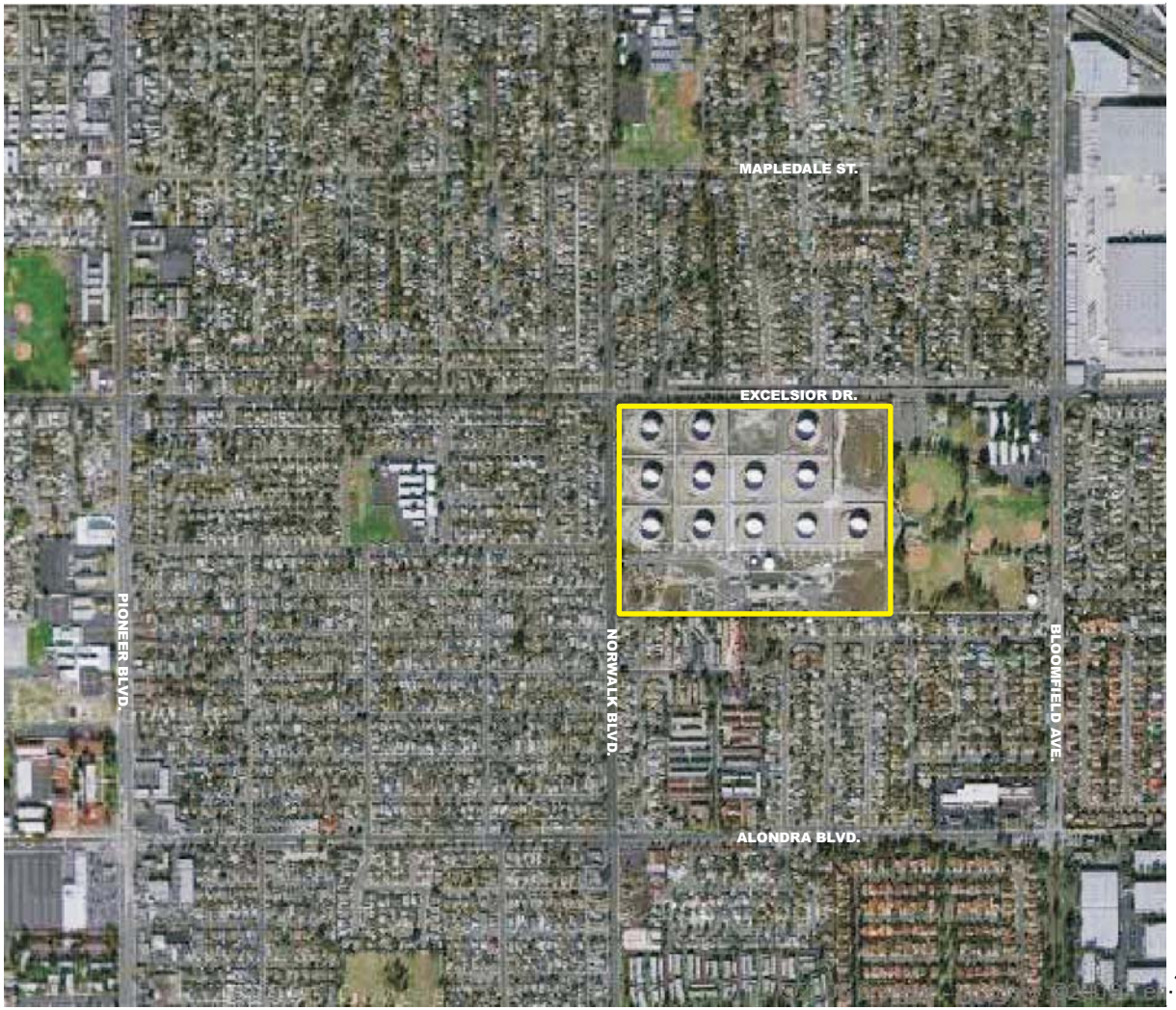
bgs = below ground surface
cy = cubic yard

Table 5-3

Upgraded SVE System

Area	Existing Vents	New Vents	Total Vents
Truck Fill Station	9	16	25
Water Tank Area	1	4	5
Total	10	20	30

FIGURES



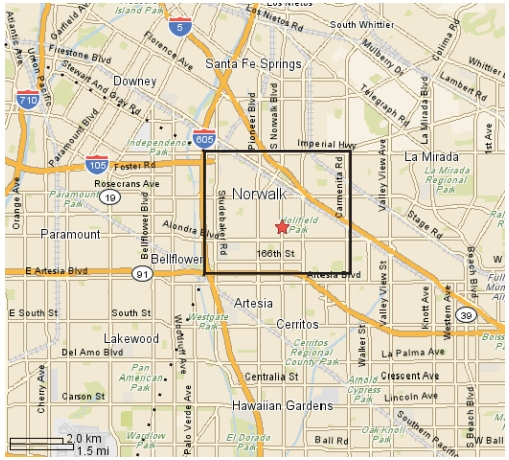


FIGURE 1-1

SITE LOCATION MAP

DFSP Norwalk
Norwalk, CA

PARSONS

Pasadena, California

k:\depts\dept48\desc 07-2008 Contract\norwalk\ACO-0006\Addl Inv WP @ TFS-water tank-NE forner\Figure 1-1 Site Location Map.cdr

N 10000.00
E 20000.00

℄ EXCELSIOR DRIVE

SITE BOUNDARY

℄ IBEX AVE

NORWALK BLVD

℄ HIGHDALE ST

℄ FERINA ST

℄ HOPLAND ST

℄ MOLETTE ST

℄ BARNWALL ST

℄ CHESHIRE STREET

TANK 80001

TANK 80002

Powerine Basin

TANK 80004

Holding or Settling Pond

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

TANK 80013

TANK 55003

TANK 55004

TANK 80017

Parking Lot

Landscaped Area

GMW-60

Baseball Field

OIL-WATER SEPARATOR

ADMINISTRATION BUILDING

LABORATORY BUILDING

SUMP

TANK

Water Tank

Truck Fill Station

KMEP LEASE AREA

℄ THORNLAKE AVE.

℄ MADRIS AVE

℄ CHESHIRE STREET

N

100 0 200

SCALE IN FEET

FIGURE 1-2

AREAS OF INVESTIGATION

DFSP Norwalk
Norwalk, CA

PARSONS

Pasadena, California

K:\Depts\Dept48\DESC 07-2008 Contract\Norwalk\ACO-0006\Addl Inv WP @ TFS-water tank-NE corner\Rpt\Figure 1-2 Areas of Investigation.dwg

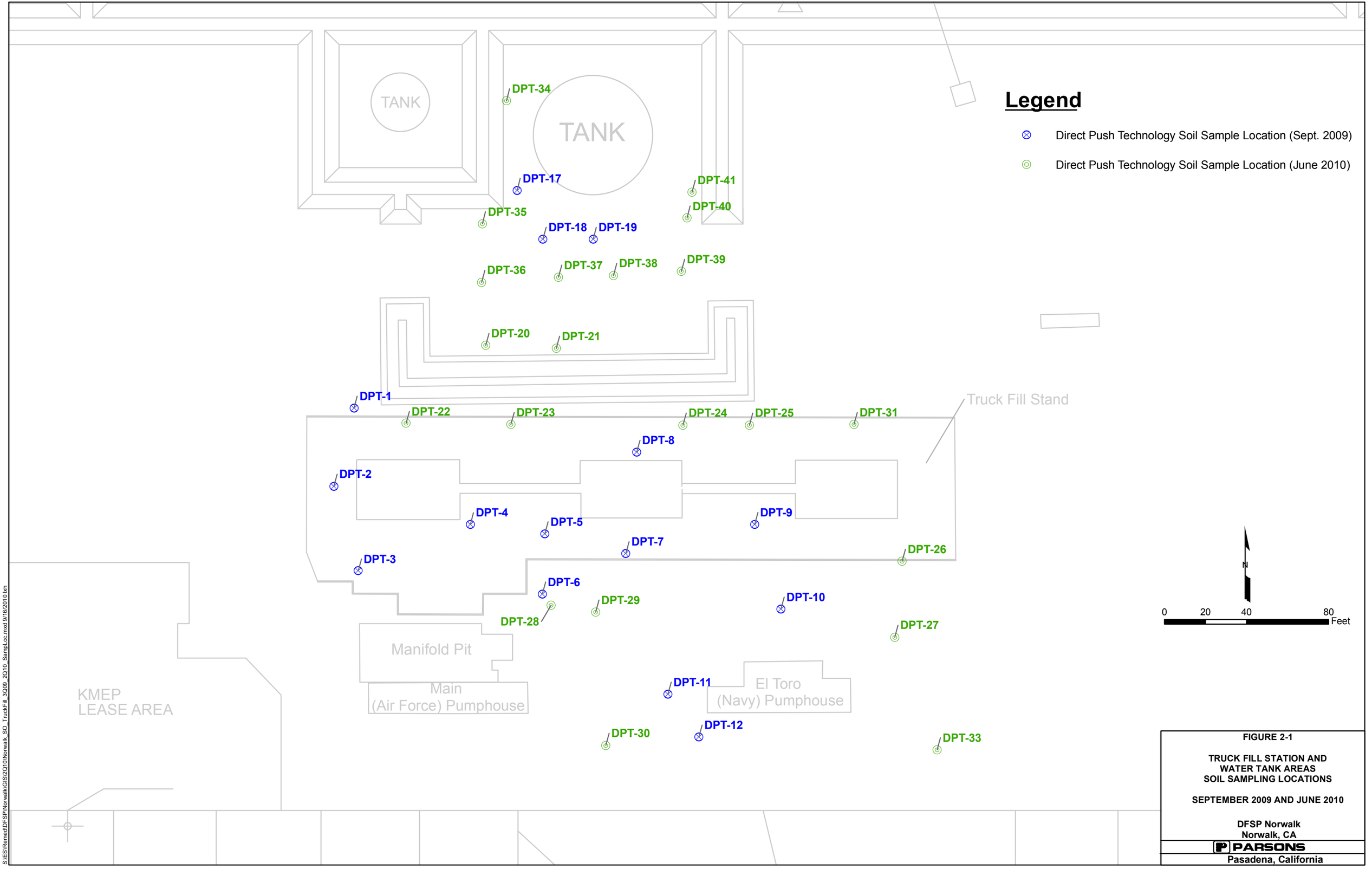


FIGURE 2-1

TRUCK FILL STATION AND
WATER TANK AREAS
SOIL SAMPLING LOCATIONS

SEPTEMBER 2009 AND JUNE 2010

DFSP Norwalk
Norwalk, CA

PARSONS
Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\2Q10\Norwalk_SO_TruckFill_3Q09_2Q10_SamplLoc.mxd 9/16/2010 lxh

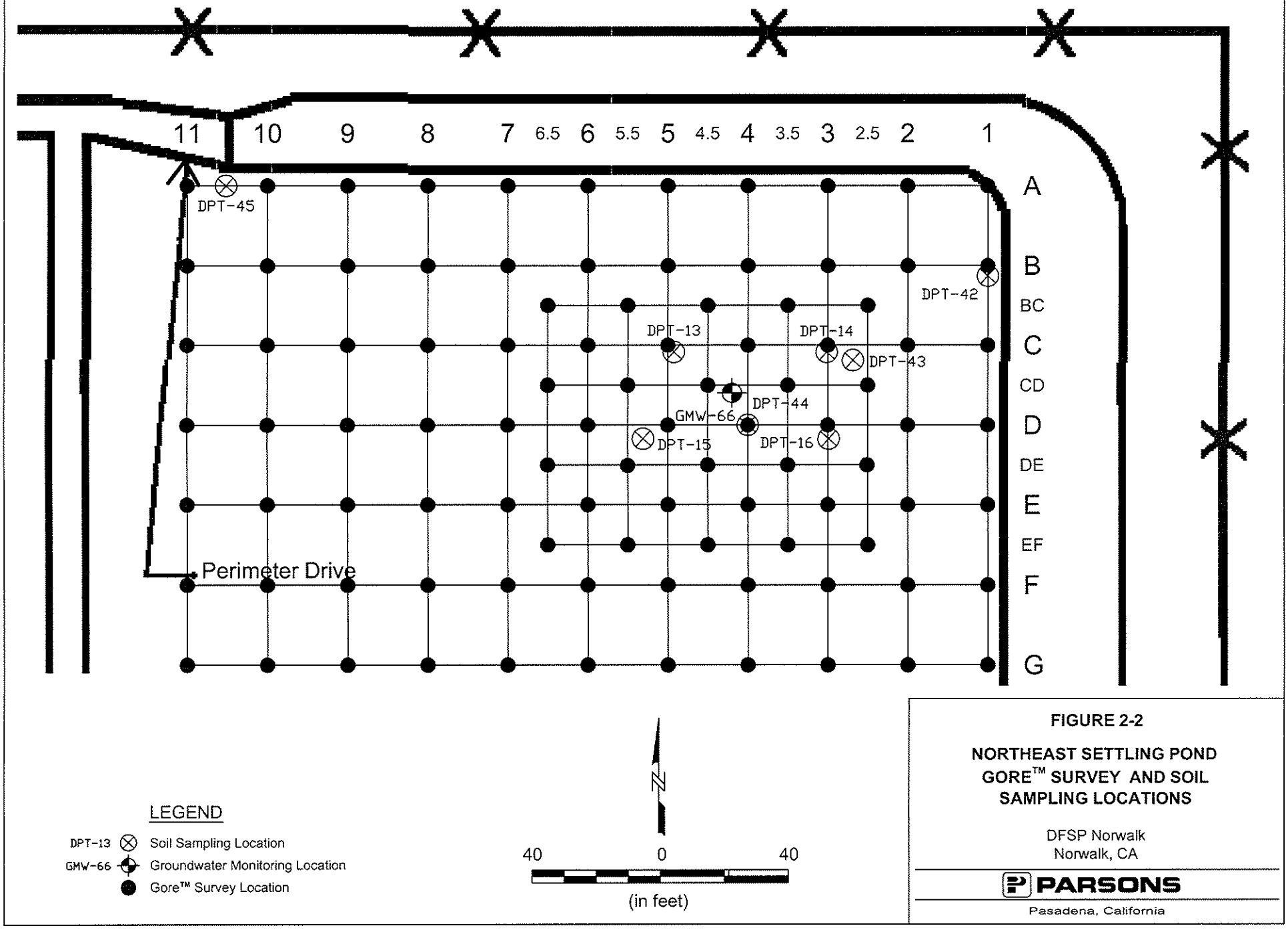


FIGURE 2-2

NORTHEAST SETTLING POND GORE™ SURVEY AND SOIL SAMPLING LOCATIONS

DFSP Norwalk
Norwalk, CA

PARSONS
Pasadena, California

K:\Depts\Dept48\DESC 07-2008 Contract\Norwalk\ACO-0006\Soil Inv ● TFS-water tank-NE corner\10-2010 Rpt\Figures\Figure 2-2 NE Settling Pond Gore Survey & Samp Loc.dwg

Legend

DPT-20: Direct Push Technology Sample Locations
TPH-G Total petroleum hydrocarbons quantified using a gasoline standard.
TPH-JP5 Total petroleum hydrocarbons quantified using a jet propellant 5 standard.
B Benzene
T Toluene
E Ethylbenzene
X Total Xylenes
J Estimated Value

Depth in feet below grade

All BTEX units in µg/kg
All TPH units in mg/kg

DPT-20

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
25	**1.6**	< 5	< 5	< 5	< 5	< 10

DPT-1

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	< 0.30	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3
20	< 0.30	< 5.0	< 1.2	< 1.2	< 1.2	< 3.5
25	< 0.28	< 5.0	< 1.4	< 1.4	< 1.4	< 4.3

DPT-2

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.21	< 5.0	< 0.96	< 0.96	< 0.96	< 2.86
20	< 0.28	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3
25	< 0.27	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3

DPT-4

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
5	**480**	**3100**	< 91	< 91	< 91	< 271
10	< 0.26	**15**	< 1.0	< 1.0	< 1.0	< 3.1
15	< 0.27	< 5.0	< 1.1	< 1.1	< 1.1	< 3.2
20	**850**	**640**	< 82	**86**	**480**	**270**
25	**11000**	**6100**	**390**	**3300**	**15000**	**51000**

DPT-3

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.23	< 5.0	< 0.93	< 0.93	< 0.93	< 2.83
20	< 0.20	< 5.0	< 0.78	**1**	< 0.78	< 2.38
25	< 0.27	< 5.0	< 1.2	< 1.2	< 1.2	< 3.5

DPT-21

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	< 0.5	**12**	< 5	< 5	< 5	< 10
15	**6.9**	**8.4**	< 5	< 5	< 5	< 10
20	**5.1**	**11**	< 5	< 5	**0.4 J**	< 10
25	< 0.5	< 5	< 5	< 5	< 5	< 10

DPT-24

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	< 0.5	< 5	< 5	< 5	< 5	< 10
15	**2700**	**5200**	< 1000	< 1000	**2800**	**2830 J**
20	**780**	**1300**	< 500	< 500	**680**	**235 J**
25	**70**	**74**	< 5	< 5	**13**	**4.7 J**

DPT-25

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**2600**	**150**	< 500	< 500	**2300**	**1033 J**
15	**2700**	**3800**	< 1000	< 1000	**7400**	**10650 J**
20	**680**	**720**	< 500	< 500	**1000**	**227 J**
25	**190**	**520**	< 500	< 500	**560**	**460 J**

DPT-23

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**1200**	**2100**	< 500	< 500	**1200**	**993 J**
15	**4**	< 5	< 5	< 5	**0.74 J**	**0.5 J**
20	< 0.5	< 5	< 5	< 5	< 5	< 10
25	**3.1**	**6**	< 5	< 5	**0.6 J**	**0.84 J**

DPT-22

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	< 0.5	< 5	< 5	< 5	< 5	< 10
25	**970**	**1700**	**36 J**	< 500	**530**	**163 J**

DPT-5

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	< 0.23	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1
15	< 0.27	< 5.0	< 1.1	**2.2**	< 1.1	< 3.3
20	**2000**	**2800**	< 80	< 80	**1700**	**520**

DPT-6

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.28	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3
20	**3100**	**8600**	< 100	< 100	**8800**	**5080**
25	**1.3**	< 5.0	< 87	< 87	< 87	< 257

DPT-28

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
25	**17**	**53**	< 500	< 500	**140 J**	< 1000

DPT-29

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	**1600**	**580**	< 500	< 500	**1400**	**524 J**
25	**770**	**520**	< 500	< 500	**480 J**	**78 J**

DPT-30

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	**840**	**1300**	< 500	< 500	**280 J**	< 1000
20	**770**	**2900**	< 500	< 500	**320 J**	< 1000
25	**1700**	**8**	< 5.0	< 5.0	< 5.0	< 10

DPT-7

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	**26**	**15**	< 1.3	**2.4**	< 1.3	< 3.9
20	**4400**	**2000**	< 440	< 440	**6600**	**4590**
25	**16000**	**11000**	< 1100	< 1100	**21000**	**24200**

DPT-8

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**770**	**2700**	< 110	< 110	**240**	< 330
15	**870**	**2000**	< 110	< 110	**110**	< 330
20	**5.5**	**1000**	**1.5**	**5.1**	**0.99**	< 2.85
25	**0.46**	< 5.0	**1.1**	**2.7**	< 0.78	< 2.38

DPT-9

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**1.2**	< 5.0	**2**	**3.2**	**1.1**	< 2.41
15	**8.2**	**39**	< 1.1	**5.6**	**1.6**	< 3.3
20	**850**	**1200**	< 100	< 100	**270**	< 310
25	**9800**	**4300**	< 2000	< 2000	**20000**	**5800**

DPT-10

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	**240**	**490**	< 1.1	**4.2**	**9.1**	**15**
20	**2800**	**3200**	< 420	< 420	**11000**	**13000**
25	**830**	**990**	< 110	< 110	**940**	< 340

DPT-11

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.28	< 5.0	< 0.78	**1.2**	< 0.78	< 2.38
20	**1900**	**1800**	< 86	< 86	**2700**	**320**
25	**1.2**	< 5.0	**1.2**	**1.2**	< 0.86	< 2.56

DPT-12

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**540**	**1600**	< 97	< 97	< 97	< 287
15	**3500**	**5600**	< 96	< 96	< 96	< 286
20	**130**	**87**	**1.9**	**2.7**	**75**	**5.53**
25	**0.57**	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3

DPT-31

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
12	< 0.50	**5.2**	< 5.0	< 5.0	< 5.0	< 10

DPT-27

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
25	< 0.50	< 5.0	< 5.0	< 5.0	< 5.0	< 10

DPT-33

Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
25	**1700**	**2200**	< 500	< 500	< 500	< 1000

DPT-26
Clean

Truck Fill Stand

Manifold Pit

Main
(Air Force) Pumphouse

El Toro
(Navy) Pumphouse

KMEP
LEASE AREA

N

0 15 30 60 Feet

FIGURE 3-1

TRUCK FILL STATION
SOIL ANALYTICAL RESULTS

SEPTEMBER 2009 AND JUNE 2010

DFSP Norwalk
Norwalk, CA

PARSONS
Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\2Q10\Norwalk_SO_TruckFill_3Q09_2010_Fig3-1.mxd 10/19/2010 lvh

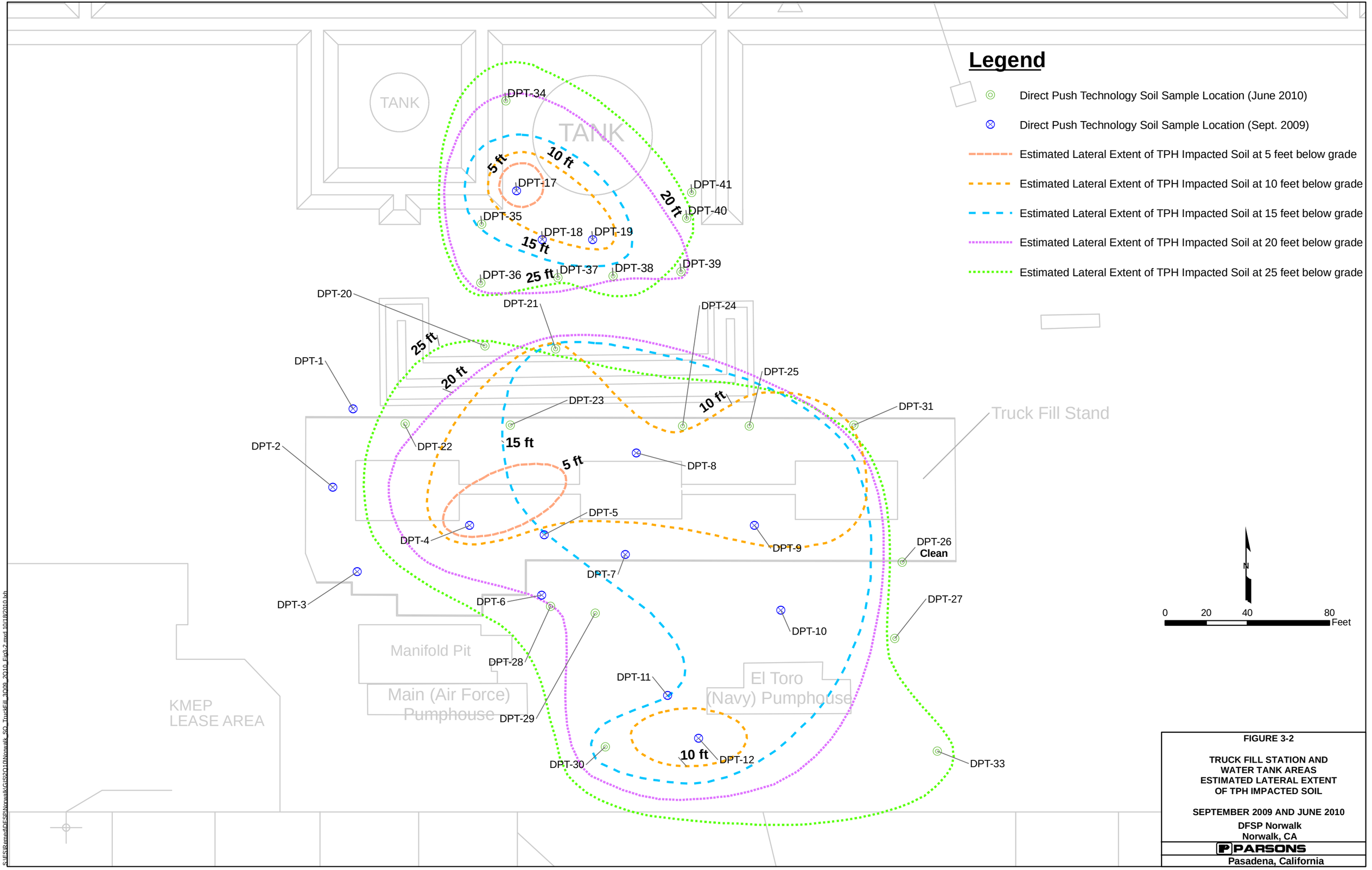


FIGURE 3-2

TRUCK FILL STATION AND
WATER TANK AREAS
ESTIMATED LATERAL EXTENT
OF TPH IMPACTED SOIL

SEPTEMBER 2009 AND JUNE 2010

DFSP Norwalk
Norwalk, CA

PARSONS

Pasadena, California

S:\ES\Ramat\DFSP\Norwalk\GIS\2010\Norwalk_SO_TruckFill_3Q09_2010_Fig3-2.mxd 10/19/2010 kh

Legend

DPT-41: Direct Push Technology Sample Locations
TPH-G Total petroleum hydrocarbons quantified using a gasoline standard.
TPH-JP5 Total petroleum hydrocarbons quantified using a jet propellant 5 standard.
B Benzene
T Toluene
E Ethylbenzene
X Total Xylenes
J Estimated Value

Depth in feet below grade

All BTEX units in µg/kg
All TPH units in mg/kg

TANK

TANK

TANK

DPT-34						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	**0.65**	< 5.0	< 5.0	< 5.0	**0.19 J**	**0.44 J**
25	**8400**	**12000**	< 500	< 500	**230 J**	< 1000

DPT-17						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
5	**14000**	**11000**	< 1000	< 1000	< 1000	< 3000
10	**5000**	**6800**	< 97	< 97	< 97	< 287
15	**7200**	**10000**	< 1100	< 1100	< 1100	< 3300
20	**0.86**	**7**	**3.1**	**1**	**1.3**	**3.4**
25	**370**	**200**	< 95	< 95	< 95	< 285

DPT-35						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	**0.57**	< 5.0	< 5.0	< 5.0	< 5.0	< 10
20	**6.4**	**14000**	< 5.0	< 5.0	< 5.0	< 10
25	**1400**	**2000**	< 500	< 500	**20 J**	**59 J**

DPT-41						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
25	< 0.50	< 5.0	< 5.0	< 5.0	**0.33 J**	< 10

DPT-40						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	< 0.50	< 5.0	< 5.0	< 5.0	< 5.0	< 10
25	**0.67**	< 5.0	< 5.0	< 5.0	**0.39 J**	< 10

DPT-18						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	**0.63**	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1
20	**160**	**23**	< 86	< 86	< 86	< 256

DPT-19						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
10	**830**	**910**	< 86	**320**	< 86	**568**
15	**0.72**	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3
20	**0.45**	< 5.0	**1.2**	**0.84**	< 0.81	< 2.41

DPT-36						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	**1.1**	**8.8**	< 5.0	< 5.0	< 5.0	**0.26 J**
25	**0.9**	**14**	< 5.0	< 5.0	< 5.0	< 10

DPT-37						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.50	< 5.0	< 5.0	< 5.0	< 5.0	< 10
20	**520**	**440**	< 500	< 500	< 500	< 1000
25	**1**	< 5.0	**0.31 J**	< 5.0	**0.72 J**	**0.81 J**

DPT-38						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
15	< 0.50	< 5.0	< 5.0	< 5.0	< 5.0	< 10
20	**0.53**	< 5.0	< 5.0	< 5.0	< 5.0	< 10
25	**13000**	**11000**	**45 J**	**320 J**	**1600**	**10700**

DPT-39						
Depth (ft)	TPH-G	TPH-JP5	B	T	E	X
20	**1.7**	**11**	< 5.0	< 5.0	**0.24 J**	**1.72 J**

N

0 10 20 40 Feet

FIGURE 3-3

WATER TANK AREA
SOIL ANALYTICAL RESULTS

SEPTEMBER 2009 AND JUNE 2010

DFSP Norwalk
Norwalk, CA

PARSONS
Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\2Q10\Norwalk_SO_WaterTank_3Q09_2Q10.mxd 10/18/2010 lxh

APPENDIX A

GORE™ SURVEY REPORT

GORE™ Surveys

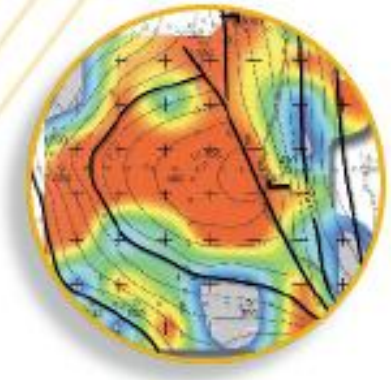
Final Report

Project:	DESC Norwalk
Gore Order Number:	20516630
Date Prepared:	June 11, 2010
Prepared for:	Parsons 100 West Walnut St. Pasadena, CA 91124

Written/Submitted by
Hilary G. Trethewey
Project Manager

Reviewed/Approved by
James E. Whetzel
Project Manager

Analytical Data Reviewed by
Ian McMullen
Chemist



W.L. Gore & Associates, Inc.
Survey Products Group

GORE™ Surveys - Final Report

REPORT DATE: 06/11/2010 **AUTHOR:** HGT

SITE INFORMATION

Site Reference: DESC Norwalk
Gore Production Order Number: 20516630 **Gore Site Code:** FJB

FIELD PROCEDURES

 # Modules shipped: 105
Installation Date(s): 5/3/2010
 # Modules Installed: 97
Field work performed by: Parsons

Retrieval date(s): 5/7,8/2010
 # Modules Retrieved: 95
 # Modules Lost in Field: 2
 # Modules Not Returned: 0

Exposure Time: 4-5 **[days]**
 # Trip Blanks Returned: 5
 # Unused Modules Returned: 3

Date/Time Received by Gore: 5/11/2010 2:00 PM By: DY
Chain of Custody Form attached: Yes
Chain of Custody discrepancies: None
Comments:
Tamper seals were not replaced on sample vials prior to return.
Modules 624392, 624393, 624397 to -399 were identified as trip blanks.
Modules 624290 and 624308 were not retrieved and considered lost from the field.
Modules 624394 to 624396 were returned unused.

GORE™ Surveys - Final Report

ANALYTICAL PROCEDURES

W.L. Gore & Associates´ Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990.

Instrumentation consists of state of the art gas chromatographs equipped with mass selective detectors, coupled with automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbers, each containing engineered adsorbents) to a thermal desorption tube for analysis. Sorbers remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

Analytical Method Quality Assurance:
The analytical method employed is a modified EPA method 8260/8270. Before each run sequence, two instrument blanks, a sorber containing 5µg BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in the method before samples can be analyzed. A method blank and a sorber containing BFB are also analyzed after every 30 samples and/or trip blanks. Standards containing the selected target compounds at five calibration levels are analyzed at the beginning of each run. The criterion for each target compound is less than 25% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of 10µg per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by 1) the presence of the target ion and at least two secondary ions; 2) retention time versus reference standard; and, 3) the analyst's judgment.

NOTE: All data have been archived. Any replicate sorbers not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

Laboratory analysis: thermal desorption, gas chromatography, mass selective detection
Instrument ID: # 8 **Chemist:** DC
Compounds/mixtures requested: A2
Deviations from Standard Method: None
Comments: Soil vapor analytes and abbreviations are tabulated in the Data Table Key (page 6).

GORE™ Surveys - Final Report

DATA TABULATION

 # CONTOUR MAPS ENCLOSED: Two (2) B-sized color contour maps
LIST OF MAPS ENCLOSED:

- Undecane, Tridecane, and Pentadecane (C11, C13&C15)
- Total Petroleum Hydrocarbons (TPH)

NOTE: All data values presented in Appendix A represent masses of compound(s) desorbed from the GORE™ Modules received and analyzed by W.L. Gore & Associates, Inc., as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on a five-level standard calibration.

General Comments:

- This survey reports soil gas mass levels present in the vapor phase. Vapors are subject to a variety of attenuation factors during migration away from the source concentration to the module. Thus, mass levels reported from the module will often be less than concentrations reported in soil and groundwater matrix data. In most instances, the soil gas masses reported on the modules compare favorably with concentrations reported in the soil or groundwater (e.g., where soil gas levels are reported at greater levels relative to other sampled locations on the site, matrix data should reveal the same pattern, and vice versa). However, due to a variety of factors, a perfect comparison between matrix data and soil gas levels can rarely be achieved.
- Soil gas signals reported by this method cannot be identified specifically to soil adsorbed, groundwater, and/or free-product contamination. The soil gas signal reported from each module can evolve from all of these sources. Differentiation between soil and groundwater contamination can only be achieved with prior knowledge of the site history (i.e., the site is known to have groundwater contamination only).
- QA/QC trip blank modules were provided to document potential exposures that were not part of the soil gas signal of interest (i.e., impact during module shipment, installation and retrieval, and storage). The trip blanks are identically manufactured and packaged soil gas modules to those modules placed in the subsurface. However, the trip blanks remain unopened during all phases of the soil gas survey. Levels reported on the trip blanks may indicate potential impact to modules other than the contaminant source of interest.

- Unresolved peak envelopes (UPEs) are represented as a series of compound peaks clustered together around a central gas chromatograph elution time in the total ion chromatogram. Typically, UPEs are indicative of complex fluid mixtures that are present in the subsurface. UPEs observed early in the chromatogram are considered to indicate the presence of more volatile fluids, while UPEs observed later in the chromatogram may indicate the presence of less volatile fluids. Multiple UPEs may indicate the presence of multiple complex fluids.
- Stacked total ion chromatograms (TICs) are included in Appendix A. The six-digit serial number of each module is incorporated into the TIC identification (e.g.: 123456S.D represents module #123456).

Project Specific Comments:

- In addition to relative mass results, estimated soil gas concentration values were reported. Calculations for concentrations were performed using the mass observed, exposure time, experimentally determined and estimated compound uptake rates, desorption efficiency values, and default soil porosity inputs for silt loam of 0.44cc/cc total porosity and 0.41cc/cc water filled porosity. A summary of the procedure is included in the appendix.
- The minimum (gray) contour level, for each mapped analyte or group of analytes, was set at the maximum blank level observed or the method detection limit, whichever was greater. For TPH, the contour minimum was set at 7.0 µg/m^3. For C11, C13, &C15 the contour minimum is set at the MDL for C11. The maximum contour level was set at the maximum value observed.
- The greater than sign (>) was used in the estimated concentration data table to indicate instances where high levels of contaminant have most likely have caused a bias-low result in calculated values.
- No target compounds were detected on the trip blanks and/or the method blanks. Thus, target analyte levels reported for the field-installed modules that exceed trip and method blank levels, and the analyte method detection limit, are more likely to have originated from on-site sources.
- The mapped spatial patterns indicated the presence of TPH throughout the survey area with highest detections near sites CD2.5, CD4.5 and C3.
- The mapped spatial pattern for C11, C13, &C15 indicated the presence of these target compounds primarily in the northeastern portion of the survey area with additional detections in the central, northwestern and southwestern portion of the survey area.

GORE™ Surveys - Final Report

KEY TO DATA TABLE

UNITS

µg	micrograms (per sorber), reported for compounds
MDL	method detection limit
bdl	below detection limit
nd	non-detect
>	greater than – indicates concentration value is biased low due to high mass on adsorbent

ANALYTES

TPH	total petroleum hydrocarbons
BTEX	combined masses of benzene, toluene, ethylbenzene and total xylenes (Gasoline Range Aromatics)
BENZ	benzene
TOL	toluene
EtBENZ	ethylbenzene
mpXYL	m-, p-xylene
oXYL	o-xylene
C11,C13&C15	combined masses of undecane, tridecane, and pentadecane (C11+C13+C15) (Diesel Range Alkanes)
UNDEC	undecane
TRIDEC	tridecane
PENTADEC	pentadecane
TMBs	combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene
135TMB	1,3,5-trimethylbenzene
124TMB	1,2,4-trimethylbenzene
NAPH&2-MN	combined masses of naphthalene and 2-methyl naphthalene
NAPH	naphthalene
2MeNAPH	2-methyl naphthalene
MTBE	methyl t-butyl ether
OCT	octane

BLANKS

method blank	QA/QC module, documents analytical conditions during analysis

APPENDIX A:

1. CHAIN OF CUSTODY AND INSTALLATION/ RETRIEVAL LOG
2. DATA TABLES
3. SUMMARY OF CONCENTRATION CALCULATION PROCEDURE
4. STACKED TOTAL ION CHROMATOGRAMS
5. COLOR CONTOUR MAPS

GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only
Production Order # 20516630

W. L. Gore & Associates, Inc., Survey Products Group
100 Chesapeake Boulevard • Elkton, Maryland 21921 • Tel: (410) 392-7600 • Fax (410) 506-4780

Instructions: Customer must complete ALL shaded cells

Customer Name: PARSON	Site Name: DESC Norwalk
Address: 100 WEST WALNUT ST	Site Address: Norwalk, CA
PASADENA , CA	
	Project Manager: Mary Lucas
Phone: (626) 440-2000	Customer Project No.: 12300358
FAX:	Customer P.O. #: AC0-6 Quote #:

Serial # of Modules Shipped				# of Modules for Installation 100 # of Trip Blanks 5		
# 624289	- # 624340	#	- #	Total Modules Shipped: 105 Pieces		
# 624347	- # 624399	#	- #	Total Modules Received: Pieces		
#	- #	#	- #	Total Modules Installed: Pieces		
#	- #	#	- #	Serial # of Trip Blanks (*Client Decides*)		#
#	- #	#	- #	# 624392	#	#
#	- #	#	- #	# 624393	#	#
#	- #	#	- #	# 624397	#	#
#	- #	#	- #	# 624398	#	#
#	- #	#	- #	# 624399	#	#
#	- #	#	- #	#	#	#
Prepared By: Marlene Lyttlemoody				#	#	#
Verified By: Clarence Lyttle				#	#	#

Installation Performed By:	Installation Method(s) (*circle those that apply*):
Name (*please print*): Dan Saldana / Dennis Mohaffey / Cindy Zicke	Slide Hammer Hammer Drill Auger
Company/Affiliation: Parsons	Other:
Installation Start Date and Time: 5/3/2010 09:17 AM PM	
Installation Complete Date and Time: 5/3/2010 14:26 AM PM	
Retrieval Performed By:	Total Modules Retrieved: Pieces
Name (*please print*): Dennis Mohaffey / Cindy Zicke	Total Modules Lost in Field: Pieces
Company/Affiliation: Parsons	Total Unused Modules Returned: Pieces
Retrieval Start Date and Time: 5/7/2010 11:00 AM PM	
Retrieval Complete Date and Time: 5/8/2010 09:47 AM PM	

Relinquished By: Marlene Lyttlemoody	Date	Time	Received By: Dan Saldana	Date	Time
Affiliation: W.L. Gore & Associates, Inc.	4-28-10	1:30	Affiliation: Parsons	4/28/10	
Relinquished By: Heidi Fogle	Date	Time	Received By:	Date	Time
Affiliation: Parsons	5-8-10	11:25	Affiliation:		
Relinquished By	Date	Time	Received By: Marlene Lyttlemoody	Date	Time
Affiliation			Affiliation: W.L. Gore & Associates, Inc.	5/11/10	2:00

GORE-SORBER® Screening Survey Installation and Retrieval Log

Page 1. of 3 .

SITE NAME & LOCATION

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENTS
				LPH	ODOR	NONE	YES	NO	
1.	624289 - A1	5/3/10 0917	5/7/10 1100			✓		✓	1.5' deep
2.	624290 - A2	0924	—			✓		✓	Unable to recover [illegible] module lost rock
3.	624291 - A3	0930	5/7/10 1116			✓		✓	
4.	624292 - A4	0933	1118			✓		✓	
5.	624293 - A5	0936	1119			✓		✓	
6.	624294 - A6	0940	1120			✓		✓	
7.	624295 - A7	0942	1121			✓		✓	
8.	624296 - A8	0945	1122			✓		✓	
9.	624297 - A9	0950	1123			✓		✓	
10.	624298 - A10	0953	1436			✓		✓	had to dig out sample
11.	624299 - A11	0956	1125			✓		✓	
12.	624300 - B11	1000	5/8/10 0947			✓		✓	String Broke - [illegible] dug out
13.	624301 - B10	1004	5/7/10 1127			✓		✓	
14.	624302 - B9	1006	1128			✓		✓	
15.	624303 - B8	1009	1129			✓		✓	
16.	624304 - B7	1011	1120			✓		✓	
17.	624305 - B6	1015	1130			✓		✓	
18.	624306 - B5	1022	1132			✓		✓	
19.	624307 - B4	1025	1502			✓		✓	
20.	624308 - B3	1027	—			✓		✓	Unable to recover [illegible]
21.	624309 - B2	1030	5/7/10 1133			✓		✓	
22.	624310 - B1	1034	5/8/10 0907			✓		✓	dug out module
23.	624311 - C1	1039	5/7/10 1151			✓		✓	
24.	624312 - C2	1043	5/8/10 0902			✓		✓	dug out module
25.	624313 - BC2.5	1046	5/7/10 1152			✓		✓	
26.	624314 - C3	1048	5/8/10 0934		✓			✓	broke rod recovered rod * dug out
27.	624315 - BC3.5	1050	5/7/10 1154			✓		✓	
28.	624316 - C4	1052	1155			✓		✓	
29.	624317 - BC4.5	1055	1156			✓		✓	
30.	624318 - C5	1102	5/8/10 0825			✓		✓	dug out module
31.	624319 BC5.5	1105	5/7/10 1157			✓		✓	
32.	624320 C6	1108	1158			✓		✓	
33.	624321 BC6.5	1110	1159			✓		✓	
34.	624322 C7	1114	5/8/10 0819			✓		✓	dug out module
35.	624323 C8	1118	5/7/10 1201			✓		✓	
36.	624324 C9	1122	1202			✓		✓	
37.	624325 C10	1125	1203			✓		✓	
38.	624326 C11	1130	1204			✓		✓	
39.	624327 D11	1135	1205			✓		✓	
40.	624328 D10	1137	1206			✓		✓	
41.	624329 D9	1139	1207			✓		✓	
42.	624330 D8	1141	1208			✓		✓	

* module in heavily petroleum impacted soil - tar-like, module dug out

GORE-SORBER® Screening Survey Installation and Retrieval Log

Page 2 of 3

SITE NAME & LOCATION

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate) LPH	ODOR	NONE	MODULE IN WATER (check one) YES	NO	COMMENTS
43.	624331 D7	5/3/10 1143	5/7/10 1209			✓		✓	
44.	624332 D6	1146	1210			✓		✓	
45.	624333 D5	1148	1211			✓		✓	
46.	624334 ~~[illegible]~~ CD6.5	1150	1212			✓		✓	
47.	624335 CD5.5	1153	1213			✓		✓	
48.	624336 CD4.5	1155	1214			✓		✓	
49.	624337 D4	1225	1228			✓		✓	
50.	624338 CD3.5	1227	1229			✓		✓	
51.	624339 D3	1229	1230			✓		✓	
52.	624340 CD2.5	1231	1231			✓		✓	
53.	624347 D2	1233	1232			✓		✓	
54.	624348 D1	1235	1233			✓		✓	
55.	624349 E1	1237	1234			✓		✓	
56.	624350 E2	1239	1235			✓		✓	
57.	624351 DE2.5	1240	5/8/10 0810			✓		✓	dug out module, straw broken
58.	624352 E3	1241	5/7/10 1236			✓		✓	
59.	624353 DE3.5	1243	1237			✓		✓	
60.	624354 E4	1245	5/8/10 0804			✓		✓	dug out module
61.	624355 DE4.5	1246	5/7/10 1238			✓		✓	
62.	624356 E5	1248	1239			✓		✓	
63.	624357 DE5.5	1249	1240			✓		✓	
64.	624358 E6	1251	1241			✓		✓	
65.	624359 DE6.5	1253	1242			✓		✓	
66.	624360 E7	1255	1243			✓		✓	
67.	624361 E8	1256	1244			✓		✓	
68.	624362 E9	1302	1245			✓		✓	
69.	624363 E10	1305	1246			✓		✓	
70.	624364 E11	1309	1247			✓		✓	
71.	624365 F11	1313	1248			✓		✓	
72.	624366 F10	1315	1249			✓		✓	
73.	624367 F9	1316	1250			✓		✓	
74.	624368 F8	1320	5/8/10 0759			✓		✓	dug out module, broken string; Rec time 0757
75.	624369 F7	1322	5/7/10 1251			✓		✓	~~broken~~
76.	624370 EF6.5	1324	5/8/10 0728			✓		✓	dug out module
77.	624371 F6	1326	5/7/10 1252			✓		✓	
78.	624372 EF5.5	1328	1253			✓		✓	
79.	624373 F5	1329	5/8/10 0736			✓		✓	dug out module
80.	624374 EF4.5	1330	5/7/10 1254			✓		✓	
81.	624375 F4	1332	5/8/10 0744			✓		✓	dug out module
82.	624376 EF3.5	1333	5/7/10 1255			✓		✓	
83.	624377 F3	1336	5/8/10 0751			✓		✓	dug out module
84.	624378 EF2.5	1337	5/7/10 1256			✓		✓	

GORE-SORBER® Screening Survey
Installation and Retrieval Log

Page 3 of 3

SITE NAME & LOCATION

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENTS
				LPH	ODOR	NONE	YES	NO	
85.	624379 F2	1339	5/7/10 1257			✓		✓	
86.	624380 F1	1341	1258			✓		✓	
87.	624381 G1	1406	1259			✓		✓	
88.	624382 G2	1408	1300			✓		✓	
89.	624383 G3	1410	1301			✓		✓	
90.	624384 G4	1412	1302			✓		✓	
91.	624385 G5	1414	5/8/10 0708			✓		✓	drug out module
92.	624386 G6	1416	5/7/10 1303			✓		✓	
93.	624387 G7	1418	5/8/10 0716			✓		✓	drug out module
94.	624388 G8	1420	5/7/10 1305			✓		✓	
95.	624389 G9	1422	1306			✓		✓	
96.	624390 G10	1424	1307			✓		✓	
97.	624391 G11	1426	1308			✓		✓	
98.	624392								
99.	624393								
100.	624394								
101.	624395								
102.	624396								
103.	624397								
104.	624398								
105.	624399								
106.									
107.									
108.									
109.									
110.									
111.									
112.									
113.									
114.									
115.									
116.									
117.									
118.									
119.									
120.									
121.									
122.									
123.									
124.									
125.									
126.									

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11, C13, &C15, ug	UNDEC, ug
	MDL=	0.02		0.02	0.02	0.02	0.03	0.02		0.04
5/17/2010	624289	1.61	0.17	nd	nd	0.02	0.10	0.05	0.00	nd
5/17/2010	624291	4.58	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624292	9.80	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624293	8.99	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624294	1.66	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624295	1.17	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624296	0.69	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624297	2.54	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624298	46.91	nd	nd	nd	nd	nd	nd	0.23	0.04
5/19/2010	624299	32.84	0.03	nd	nd	nd	bdl	0.03	0.32	0.05
5/18/2010	624300	8.76	nd	nd	nd	nd	nd	nd	0.00	bdl
5/18/2010	624301	81.04	nd	nd	nd	nd	nd	nd	0.00	bdl
5/18/2010	624302	0.86	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624303	0.07	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624304	0.14	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624305	0.46	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624306	1.40	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624307	87.78	0.04	nd	nd	0.04	nd	nd	0.31	0.04
5/19/2010	624309	14.71	nd	nd	nd	nd	nd	nd	0.21	bdl
5/20/2010	624310	34.04	nd	nd	nd	nd	nd	nd	2.14	0.22
5/20/2010	624311	21.62	nd	nd	nd	nd	nd	nd	1.01	0.11
5/20/2010	624312	4.04	nd	nd	nd	nd	nd	nd	0.23	0.04
5/19/2010	624313	6.60	nd	nd	nd	nd	nd	nd	0.11	bdl
5/20/2010	624314	373.62	0.97	nd	nd	0.55	0.29	0.13	1.09	0.42
5/19/2010	624315	5.49	nd	nd	nd	nd	nd	nd	0.04	bdl
5/19/2010	624316	3.56	nd	nd	nd	nd	nd	nd	0.03	nd
5/18/2010	624317	1.75	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624318	2.49	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624319	0.24	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624320	0.20	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624321	0.16	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11, C13, &C15, ug	UNDEC, ug
	MDL=	0.02		0.02	0.02	0.02	0.03	0.02		0.04
5/18/2010	624322	0.33	nd	nd	nd	nd	nd	nd	0.00	nd
5/17/2010	624323	0.09	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624324	1.94	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624325	6.17	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624326	2.16	nd	nd	nd	nd	nd	nd	0.00	bdl
5/18/2010	624327	4.71	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624328	3.39	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624329	0.35	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624330	3.49	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624331	4.55	nd	nd	nd	nd	nd	nd	0.05	bdl
5/19/2010	624332	11.99	nd	nd	nd	nd	nd	nd	0.29	bdl
5/20/2010	624333	13.24	nd	nd	nd	nd	nd	nd	0.00	bdl
5/18/2010	624334	0.31	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624335	0.23	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624336	208.63	0.05	nd	nd	0.05	nd	nd	0.80	0.27
5/19/2010	624337	25.29	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624338	1.16	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624339	21.04	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624340	479.40	6.50	nd	nd	5.96	0.19	0.35	0.95	nd
5/18/2010	624347	1.54	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624348	11.90	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624349	4.32	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624350	1.97	nd	nd	nd	nd	nd	nd	0.05	nd
5/18/2010	624351	3.76	nd	nd	nd	nd	nd	nd	0.03	nd
5/18/2010	624352	0.23	nd	nd	nd	nd	nd	nd	0.00	nd
5/17/2010	624353	2.24	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624354	4.00	nd	nd	nd	nd	nd	nd	0.03	nd
5/18/2010	624355	0.99	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624356	0.09	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624357	1.02	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624358	0.05	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11, C13, &C15, ug	UNDEC, ug
	MDL=	0.02		0.02	0.02	0.02	0.03	0.02		0.04
5/19/2010	624359	0.68	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624360	0.88	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624361	0.19	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624362	0.32	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624363	0.40	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624364	1.10	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624365	11.70	nd	nd	nd	nd	nd	nd	0.11	bdl
5/18/2010	624366	6.75	nd	nd	nd	nd	nd	nd	0.17	0.08
5/19/2010	624367	0.23	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624368	0.43	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624369	5.05	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624370	3.54	nd	nd	nd	nd	nd	nd	0.00	nd
5/19/2010	624371	1.11	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624372	0.51	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624373	0.11	nd	nd	nd	nd	nd	nd	0.00	nd
5/18/2010	624374	0.03	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624375	0.10	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624376	0.10	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624377	0.05	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624378	0.09	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624379	0.11	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624380	3.88	0.07	nd	0.07	nd	nd	nd	nd	nd
5/19/2010	624381	0.35	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624382	0.23	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624383	0.36	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624384	0.95	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624385	6.53	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624386	0.88	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624387	1.46	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624388	0.19	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624389	0.28	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11, C13, &C15, ug	UNDEC, ug
	MDL=	0.02		0.02	0.02	0.02	0.03	0.02		0.04
5/19/2010	624390	2.15	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624391	2.13	nd	nd	nd	nd	nd	nd	nd	nd
5/20/2010	624392	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624393	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624397	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624398	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624399	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/17/2010	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/18/2010	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
5/19/2010	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Maximum	479.40	6.50	0.00	0.07	5.96	0.29	0.35	2.14	0.42
	Standard Dev.	65.77	0.67	0.00	0.01	0.61	0.04	0.04	0.29	0.06
	Mean	17.19	0.08	0.00	0.00	0.07	0.01	0.01	0.09	0.02

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	TRIDEC, ug	PENTADEC, ug	TMBs, ug	124TMB, ug	135TMB, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	MTBE, ug	OCT, ug
MDL=	0.02	0.02		0.02	0.03		0.02	0.02	0.03	0.02
624289	nd	bdl	0.14	0.10	0.04	0.00	nd	bdl	nd	nd
624291	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624292	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624293	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624294	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624295	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624296	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624297	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624298	0.19	nd	nd	nd	nd	0.09	0.09	nd	nd	nd
624299	0.20	0.07	0.05	0.05	bdl	0.03	nd	0.03	nd	bdl
624300	bdl	nd	nd	nd	nd	0.02	nd	0.02	nd	nd
624301	nd	nd	0.00	bdl	bdl	0.03	nd	0.03	nd	nd
624302	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624303	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624304	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624305	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624306	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624307	0.19	0.08	nd	nd	nd	1.14	0.44	0.70	nd	nd
624309	0.16	0.05	nd	nd	nd	nd	nd	nd	nd	nd
624310	1.55	0.37	0.00	bdl	nd	0.00	nd	bdl	nd	nd
624311	0.71	0.19	nd	nd	nd	0.00	nd	bdl	nd	nd
624312	0.14	0.04	nd	nd	nd	nd	nd	nd	nd	nd
624313	0.09	0.03	nd	nd	nd	nd	nd	nd	nd	nd
624314	0.67	nd	4.58	3.57	1.01	12.21	3.46	8.75	nd	nd
624315	0.04	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624316	0.03	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624317	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624318	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624319	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624320	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624321	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	TRIDEC, ug	PENTADEC, ug	TMBs, ug	124TMB, ug	135TMB, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	MTBE, ug	OCT, ug
MDL=	0.02	0.02		0.02	0.03		0.02	0.02	0.03	0.02
624322	nd	bdl	nd	nd	nd	0.00	nd	bdl	nd	nd
624323	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624324	bdl	bdl	nd	nd	nd	0.04	nd	0.04	nd	nd
624325	bdl	bdl	nd	nd	nd	0.56	0.25	0.31	nd	nd
624326	nd	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624327	bdl	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624328	bdl	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624329	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624330	bdl	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624331	0.03	0.02	0.02	0.02	nd	0.10	0.04	0.06	nd	nd
624332	0.22	0.08	nd	nd	nd	0.00	nd	bdl	nd	nd
624333	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624334	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624335	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624336	0.53	nd	0.09	0.09	bdl	1.28	0.43	0.85	nd	nd
624337	bdl	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624338	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624339	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624340	0.68	0.28	2.13	1.42	0.71	4.40	1.77	2.63	nd	nd
624347	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624348	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624349	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624350	0.02	0.03	nd	nd	nd	nd	nd	nd	nd	nd
624351	bdl	0.03	nd	nd	nd	nd	nd	nd	nd	nd
624352	bdl	nd	nd	nd	nd	nd	nd	nd	nd	nd
624353	bdl	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624354	0.03	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624355	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624356	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624357	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624358	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	TRIDEC, ug	PENTADEC, ug	TMBs, ug	124TMB, ug	135TMB, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	MTBE, ug	OCT, ug
MDL=	0.02	0.02		0.02	0.03		0.02	0.02	0.03	0.02
624359	nd	nd	nd	nd	nd	0.06	nd	0.06	nd	nd
624360	nd	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624361	nd	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624362	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624363	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624364	nd	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624365	0.07	0.04	nd	nd	nd	0.17	0.06	0.10	nd	nd
624366	0.09	bdl	nd	nd	nd	0.10	0.03	0.07	nd	nd
624367	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624368	nd	bdl	nd	nd	nd	0.39	0.09	0.30	nd	nd
624369	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624370	bdl	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624371	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624372	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624373	nd	bdl	nd	nd	nd	nd	nd	nd	nd	nd
624374	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624375	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624376	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624377	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624378	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624379	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624380	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624381	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624382	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624383	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624384	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624385	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624386	nd	nd	nd	nd	nd	0.00	nd	bdl	nd	nd
624387	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624388	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624389	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	TRIDEC, ug	PENTADEC, ug	TMBs, ug	124TMB, ug	135TMB, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	MTBE, ug	OCT, ug
MDL=	0.02	0.02		0.02	0.03		0.02	0.02	0.03	0.02
624390	nd	nd	nd	nd	nd	0.19	0.05	0.14	nd	nd
624391	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624392	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624393	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624397	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624398	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
624399	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Maximum	1.55	0.37	4.58	3.57	1.01	12.21	3.46	8.75	0.00	0.02
Standard Dev.	0.21	0.05	0.52	0.39	0.13	1.33	0.40	0.94	0.00	0.00
Mean	0.06	0.02	0.07	0.06	0.02	0.22	0.07	0.15	0.00	0.00

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug/m^3	BTEX, ug/m^3	BENZ, ug/m^3	TOL, ug/m^3	EtBENZ, ug/m^3	mpXYL, ug/m^3	oXYL, ug/m^3
	MDL=	7.00		4.06	4.17	9.36	15.58	8.36
5/17/2010	624289	574.36	83.74	nd	nd	10.48	52.84	20.41
5/17/2010	624291	1631.99	nd	nd	nd	nd	nd	nd
5/19/2010	624292	3490.31	nd	nd	nd	nd	nd	nd
5/19/2010	624293	3200.41	nd	nd	nd	nd	nd	nd
5/19/2010	624294	589.83	nd	nd	nd	nd	nd	nd
5/18/2010	624295	415.85	nd	nd	nd	nd	nd	nd
5/19/2010	624296	245.53	nd	nd	nd	nd	nd	nd
5/19/2010	624297	906.81	nd	nd	nd	nd	nd	nd
5/18/2010	624298	16207.93	nd	nd	nd	nd	nd	nd
5/19/2010	624299	11724.78	11.94	nd	nd	nd	bdl	11.94
5/18/2010	624300	2543.62	nd	nd	nd	nd	nd	nd
5/18/2010	624301	>28958.87	nd	nd	nd	nd	nd	nd
5/18/2010	624302	307.52	nd	nd	nd	nd	nd	nd
5/18/2010	624303	24.47	nd	nd	nd	nd	nd	nd
5/18/2010	624304	50.98	nd	nd	nd	nd	nd	nd
5/18/2010	624305	163.52	nd	nd	nd	nd	nd	nd
5/19/2010	624306	501.05	nd	nd	nd	nd	nd	nd
5/19/2010	624307	>30361.03	20.36	nd	nd	20.36	nd	nd
5/19/2010	624309	5274.84	nd	nd	nd	nd	nd	nd
5/20/2010	624310	9992.16	nd	nd	nd	nd	nd	nd
5/20/2010	624311	7740.08	nd	nd	nd	nd	nd	nd
5/20/2010	624312	1188.59	nd	nd	nd	nd	nd	nd
5/19/2010	624313	2366.83	nd	nd	nd	nd	nd	nd
5/20/2010	624314	>109472.76	385.03	nd	nd	215.20	124.35	45.49
5/19/2010	624315	1966.45	nd	nd	nd	nd	nd	nd
5/19/2010	624316	1276.30	nd	nd	nd	nd	nd	nd
5/18/2010	624317	625.92	nd	nd	nd	nd	nd	nd
5/18/2010	624318	739.04	nd	nd	nd	nd	nd	nd
5/19/2010	624319	87.70	nd	nd	nd	nd	nd	nd
5/20/2010	624320	73.25	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug/m^3	BTEX, ug/m^3	BENZ, ug/m^3	TOL, ug/m^3	EtBENZ, ug/m^3	mpXYL, ug/m^3	oXYL, ug/m^3
	MDL=	7.00		4.06	4.17	9.36	15.58	8.36
5/19/2010	624321	58.67	nd	nd	nd	nd	nd	nd
5/18/2010	624322	96.86	nd	nd	nd	nd	nd	nd
5/17/2010	624323	33.05	nd	nd	nd	nd	nd	nd
5/17/2010	624324	698.41	nd	nd	nd	nd	nd	nd
5/18/2010	624325	2222.07	nd	nd	nd	nd	nd	nd
5/19/2010	624326	779.86	nd	nd	nd	nd	nd	nd
5/18/2010	624327	1696.71	nd	nd	nd	nd	nd	nd
5/18/2010	624328	1223.64	nd	nd	nd	nd	nd	nd
5/18/2010	624329	127.65	nd	nd	nd	nd	nd	nd
5/18/2010	624330	1260.86	nd	nd	nd	nd	nd	nd
5/19/2010	624331	1642.84	nd	nd	nd	nd	nd	nd
5/19/2010	624332	4327.48	nd	nd	nd	nd	nd	nd
5/20/2010	624333	4780.93	nd	nd	nd	nd	nd	nd
5/18/2010	624334	113.17	nd	nd	nd	nd	nd	nd
5/18/2010	624335	82.21	nd	nd	nd	nd	nd	nd
5/19/2010	624336	>75377.83	22.72	nd	nd	22.72	nd	nd
5/19/2010	624337	9163.29	nd	nd	nd	nd	nd	nd
5/18/2010	624338	419.08	nd	nd	nd	nd	nd	nd
5/17/2010	624339	7625.42	nd	nd	nd	nd	nd	nd
5/20/2010	624340	>173778.22	3143.85	nd	nd	2892.18	100.58	151.08
5/18/2010	624347	556.72	nd	nd	nd	nd	nd	nd
5/18/2010	624348	4315.92	nd	nd	nd	nd	nd	nd
5/19/2010	624349	1565.51	nd	nd	nd	nd	nd	nd
5/18/2010	624350	715.50	nd	nd	nd	nd	nd	nd
5/18/2010	624351	1132.39	nd	nd	nd	nd	nd	nd
5/18/2010	624352	83.83	nd	nd	nd	nd	nd	nd
5/17/2010	624353	813.40	nd	nd	nd	nd	nd	nd
5/19/2010	624354	1206.09	nd	nd	nd	nd	nd	nd
5/18/2010	624355	357.78	nd	nd	nd	nd	nd	nd
5/19/2010	624356	32.61	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug/m^3	BTEX, ug/m^3	BENZ, ug/m^3	TOL, ug/m^3	EtBENZ, ug/m^3	mpXYL, ug/m^3	oXYL, ug/m^3
	MDL=	7.00		4.06	4.17	9.36	15.58	8.36
5/19/2010	624357	369.38	nd	nd	nd	nd	nd	nd
5/18/2010	624358	18.55	nd	nd	nd	nd	nd	nd
5/19/2010	624359	247.95	nd	nd	nd	nd	nd	nd
5/18/2010	624360	318.77	nd	nd	nd	nd	nd	nd
5/17/2010	624361	68.15	nd	nd	nd	nd	nd	nd
5/20/2010	624362	117.53	nd	nd	nd	nd	nd	nd
5/19/2010	624363	144.38	nd	nd	nd	nd	nd	nd
5/19/2010	624364	398.74	nd	nd	nd	nd	nd	nd
5/19/2010	624365	4261.47	nd	nd	nd	nd	nd	nd
5/18/2010	624366	2459.09	nd	nd	nd	nd	nd	nd
5/19/2010	624367	82.46	nd	nd	nd	nd	nd	nd
5/19/2010	624368	130.78	nd	nd	nd	nd	nd	nd
5/18/2010	624369	1840.65	nd	nd	nd	nd	nd	nd
5/17/2010	624370	1080.56	nd	nd	nd	nd	nd	nd
5/19/2010	624371	403.88	nd	nd	nd	nd	nd	nd
5/18/2010	624372	187.49	nd	nd	nd	nd	nd	nd
5/18/2010	624373	32.96	nd	nd	nd	nd	nd	nd
5/18/2010	624374	11.77	nd	nd	nd	nd	nd	nd
5/19/2010	624375	30.05	nd	nd	nd	nd	nd	nd
5/20/2010	624376	36.40	nd	nd	nd	nd	nd	nd
5/18/2010	624377	15.64	nd	nd	nd	nd	nd	nd
5/18/2010	624378	32.25	nd	nd	nd	nd	nd	nd
5/19/2010	624379	40.54	nd	nd	nd	nd	nd	nd
5/18/2010	624380	1417.13	14.79	nd	14.79	nd	nd	nd
5/19/2010	624381	128.86	nd	nd	nd	nd	nd	nd
5/18/2010	624382	82.58	nd	nd	nd	nd	nd	nd
5/18/2010	624383	133.28	nd	nd	nd	nd	nd	nd
5/17/2010	624384	347.24	nd	nd	nd	nd	nd	nd
5/19/2010	624385	2012.72	nd	nd	nd	nd	nd	nd
5/19/2010	624386	322.92	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

DATE ANALYZED	SAMPLE NAME	TPH, ug/m^3	BTEX, ug/m^3	BENZ, ug/m^3	TOL, ug/m^3	EtBENZ, ug/m^3	mpXYL, ug/m^3	oXYL, ug/m^3
	MDL=	7.00		4.06	4.17	9.36	15.58	8.36
5/20/2010	624387	451.03	nd	nd	nd	nd	nd	nd
5/18/2010	624388	71.03	nd	nd	nd	nd	nd	nd
5/19/2010	624389	104.33	nd	nd	nd	nd	nd	nd
5/19/2010	624390	791.16	nd	nd	nd	nd	nd	nd
5/19/2010	624391	784.00	nd	nd	nd	nd	nd	nd
5/20/2010	624392	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624393	nd	nd	nd	nd	nd	nd	nd
5/19/2010	624397	nd	nd	nd	nd	nd	nd	nd
5/18/2010	624398	nd	nd	nd	nd	nd	nd	nd
5/17/2010	624399	nd	nd	nd	nd	nd	nd	nd
5/17/2010	method blank	nd	nd	nd	nd	nd	nd	nd
5/18/2010	method blank	nd	nd	nd	nd	nd	nd	nd
5/19/2010	method blank	nd	nd	nd	nd	nd	nd	nd
5/19/2010	method blank	nd	nd	nd	nd	nd	nd	nd
	Maximum	173778.22	3143.85	0.00	14.79	2892.18	124.35	151.08
	Standard Dev.	22418.76	324.49	0.00	1.52	297.27	17.16	16.28
	Mean	5873.33	38.76	0.00	0.16	33.27	3.08	2.41

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	C11, C13, &C15, ug/m^3	UNDEC, ug/m^3	TRIDEC, ug/m^3	PENTADEC, ug/m^3	TMBs, ug/m^3	124TMB, ug/m^3
MDL=		12.73	6.35	6.77		7.58
624289	0.00	nd	nd	bdl	49.55	39.31
624291	0.00	nd	bdl	nd	nd	nd
624292	0.00	nd	bdl	nd	nd	nd
624293	nd	nd	nd	nd	nd	nd
624294	nd	nd	nd	nd	nd	nd
624295	0.00	nd	bdl	nd	nd	nd
624296	nd	nd	nd	nd	nd	nd
624297	nd	nd	nd	nd	nd	nd
624298	71.82	13.51	58.32	nd	nd	nd
624299	106.11	17.52	65.11	23.48	20.48	20.48
624300	0.00	bdl	bdl	nd	nd	nd
624301	0.00	bdl	nd	nd	0.00	bdl
624302	nd	nd	nd	nd	nd	nd
624303	nd	nd	nd	nd	nd	nd
624304	nd	nd	nd	nd	nd	nd
624305	nd	nd	nd	nd	nd	nd
624306	nd	nd	nd	nd	nd	nd
624307	99.20	12.89	60.89	25.42	nd	nd
624309	69.75	bdl	52.06	17.69	nd	nd
624310	576.14	57.91	412.34	105.89	0.00	bdl
624311	332.21	35.15	231.96	65.09	nd	nd
624312	50.66	bdl	38.43	12.23	nd	nd
624313	36.63	bdl	27.97	8.67	nd	nd
624314	290.02	111.34	178.67	nd	1362.80	1132.07
624315	13.66	bdl	13.66	bdl	nd	nd
624316	10.09	nd	10.09	bdl	nd	nd
624317	nd	nd	nd	nd	nd	nd
624318	0.00	nd	bdl	nd	nd	nd
624319	nd	nd	nd	nd	nd	nd
624320	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	C11, C13, &C15, ug/m^3	UNDEC, ug/m^3	TRIDEC, ug/m^3	PENTADEC, ug/m^3	TMBs, ug/m^3	124TMB, ug/m^3
MDL=		12.73	6.35	6.77		7.58
624321	nd	nd	nd	nd	nd	nd
624322	0.00	nd	nd	bdl	nd	nd
624323	nd	nd	nd	nd	nd	nd
624324	0.00	nd	bdl	bdl	nd	nd
624325	0.00	nd	bdl	bdl	nd	nd
624326	0.00	bdl	nd	nd	nd	nd
624327	0.00	nd	bdl	bdl	nd	nd
624328	0.00	nd	bdl	bdl	nd	nd
624329	nd	nd	nd	nd	nd	nd
624330	0.00	nd	bdl	bdl	nd	nd
624331	17.13	bdl	10.15	6.98	7.81	7.81
624332	98.01	bdl	70.43	27.58	nd	nd
624333	0.00	bdl	bdl	nd	nd	nd
624334	nd	nd	nd	nd	nd	nd
624335	nd	nd	nd	nd	nd	nd
624336	263.76	89.67	174.09	nd	36.76	36.76
624337	0.00	nd	bdl	nd	nd	nd
624338	nd	nd	nd	nd	nd	nd
624339	nd	nd	nd	nd	nd	nd
624340	319.85	nd	222.04	97.81	756.10	557.08
624347	nd	nd	nd	nd	nd	nd
624348	0.00	nd	bdl	nd	nd	nd
624349	nd	nd	nd	nd	nd	nd
624350	15.70	nd	6.58	9.12	nd	nd
624351	7.87	nd	bdl	7.87	nd	nd
624352	0.00	nd	bdl	nd	nd	nd
624353	0.00	nd	bdl	bdl	nd	nd
624354	8.49	nd	8.49	bdl	nd	nd
624355	nd	nd	nd	nd	nd	nd
624356	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	C11, C13, &C15, ug/m^3	UNDEC, ug/m^3	TRIDEC, ug/m^3	PENTADEC, ug/m^3	TMBs, ug/m^3	124TMB, ug/m^3
MDL=		12.73	6.35	6.77		7.58
624357	nd	nd	nd	nd	nd	nd
624358	nd	nd	nd	nd	nd	nd
624359	nd	nd	nd	nd	nd	nd
624360	nd	nd	nd	nd	nd	nd
624361	nd	nd	nd	nd	nd	nd
624362	nd	nd	nd	nd	nd	nd
624363	nd	nd	nd	nd	nd	nd
624364	nd	nd	nd	nd	nd	nd
624365	37.21	bdl	23.13	14.08	nd	nd
624366	56.55	27.14	29.41	bdl	nd	nd
624367	nd	nd	nd	nd	nd	nd
624368	0.00	nd	nd	bdl	nd	nd
624369	nd	nd	nd	nd	nd	nd
624370	0.00	nd	bdl	bdl	nd	nd
624371	nd	nd	nd	nd	nd	nd
624372	nd	nd	nd	nd	nd	nd
624373	0.00	nd	nd	bdl	nd	nd
624374	nd	nd	nd	nd	nd	nd
624375	nd	nd	nd	nd	nd	nd
624376	nd	nd	nd	nd	nd	nd
624377	nd	nd	nd	nd	nd	nd
624378	nd	nd	nd	nd	nd	nd
624379	nd	nd	nd	nd	nd	nd
624380	nd	nd	nd	nd	nd	nd
624381	nd	nd	nd	nd	nd	nd
624382	nd	nd	nd	nd	nd	nd
624383	nd	nd	nd	nd	nd	nd
624384	nd	nd	nd	nd	nd	nd
624385	nd	nd	nd	nd	nd	nd
624386	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	C11, C13, &C15, ug/m^3	UNDEC, ug/m^3	TRIDEC, ug/m^3	PENTADEC, ug/m^3	TMBs, ug/m^3	124TMB, ug/m^3
MDL=		12.73	6.35	6.77		7.58
624387	nd	nd	nd	nd	nd	nd
624388	nd	nd	nd	nd	nd	nd
624389	nd	nd	nd	nd	nd	nd
624390	nd	nd	nd	nd	nd	nd
624391	nd	nd	nd	nd	nd	nd
624392	nd	nd	nd	nd	nd	nd
624393	nd	nd	nd	nd	nd	nd
624397	nd	nd	nd	nd	nd	nd
624398	nd	nd	nd	nd	nd	nd
624399	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
Maximum	576.14	111.34	412.34	105.89	1362.80	1132.07
Standard Dev.	85.28	16.31	58.92	16.56	159.14	128.87
Mean	26.11	4.66	18.49	4.90	23.51	18.95

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	135TMB, ug/m^3	NAPH&2-MN, ug/m^3	NAPH, ug/m^3	2MeNAPH, ug/m^3	MTBE, ug/m^3	OCT, ug/m^3
MDL=	8.15		6.76	5.96	5.11	7.92
624289	10.23	0.00	nd	bdl	nd	nd
624291	nd	nd	nd	nd	nd	nd
624292	nd	nd	nd	nd	nd	nd
624293	nd	nd	nd	nd	nd	nd
624294	nd	nd	nd	nd	nd	nd
624295	nd	nd	nd	nd	nd	nd
624296	nd	nd	nd	nd	nd	nd
624297	nd	nd	nd	nd	nd	nd
624298	nd	29.02	29.02	nd	nd	nd
624299	bdl	9.73	nd	9.73	nd	bdl
624300	nd	0.00	nd	bdl	nd	nd
624301	bdl	10.04	nd	10.04	nd	nd
624302	nd	nd	nd	nd	nd	nd
624303	nd	nd	nd	nd	nd	nd
624304	nd	nd	nd	nd	nd	nd
624305	nd	nd	nd	nd	nd	nd
624306	nd	nd	nd	nd	nd	nd
624307	nd	354.15	148.23	205.93	nd	nd
624309	nd	nd	nd	nd	nd	nd
624310	nd	0.00	nd	bdl	nd	nd
624311	nd	0.00	nd	bdl	nd	nd
624312	nd	nd	nd	nd	nd	nd
624313	nd	nd	nd	nd	nd	nd
624314	230.73	3162.99	979.42	2183.57	nd	nd
624315	nd	nd	nd	nd	nd	nd
624316	nd	nd	nd	nd	nd	nd
624317	nd	nd	nd	nd	nd	nd
624318	nd	nd	nd	nd	nd	nd
624319	nd	nd	nd	nd	nd	nd
624320	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	135TMB, ug/m^3	NAPH&2-MN, ug/m^3	NAPH, ug/m^3	2MeNAPH, ug/m^3	MTBE, ug/m^3	OCT, ug/m^3
MDL=	8.15		6.76	5.96	5.11	7.92
624321	nd	nd	nd	nd	nd	nd
624322	nd	0.00	nd	bdl	nd	nd
624323	nd	nd	nd	nd	nd	nd
624324	nd	11.65	nd	11.65	nd	nd
624325	nd	182.18	85.86	96.32	nd	nd
624326	nd	0.00	nd	bdl	nd	nd
624327	nd	nd	nd	nd	nd	nd
624328	nd	nd	nd	nd	nd	nd
624329	nd	nd	nd	nd	nd	nd
624330	nd	nd	nd	nd	nd	nd
624331	nd	33.69	14.63	19.06	nd	nd
624332	nd	0.00	nd	bdl	nd	nd
624333	nd	nd	nd	nd	nd	nd
624334	nd	nd	nd	nd	nd	nd
624335	nd	nd	nd	nd	nd	nd
624336	bdl	411.51	149.61	261.90	nd	nd
624337	nd	0.00	nd	bdl	nd	nd
624338	nd	nd	nd	nd	nd	nd
624339	nd	nd	nd	nd	nd	nd
624340	199.03	1431.46	620.02	811.44	nd	nd
624347	nd	nd	nd	nd	nd	nd
624348	nd	nd	nd	nd	nd	nd
624349	nd	nd	nd	nd	nd	nd
624350	nd	nd	nd	nd	nd	nd
624351	nd	nd	nd	nd	nd	nd
624352	nd	nd	nd	nd	nd	nd
624353	nd	nd	nd	nd	nd	nd
624354	nd	nd	nd	nd	nd	nd
624355	nd	nd	nd	nd	nd	nd
624356	nd	nd	nd	nd	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	135TMB, ug/m^3	NAPH&2-MN, ug/m^3	NAPH, ug/m^3	2MeNAPH, ug/m^3	MTBE, ug/m^3	OCT, ug/m^3
MDL=	8.15		6.76	5.96	5.11	7.92
624357	nd	nd	nd	nd	nd	nd
624358	nd	nd	nd	nd	nd	nd
624359	nd	17.94	nd	17.94	nd	nd
624360	nd	0.00	nd	bdl	nd	nd
624361	nd	0.00	nd	bdl	nd	nd
624362	nd	nd	nd	nd	nd	nd
624363	nd	nd	nd	nd	nd	nd
624364	nd	0.00	nd	bdl	nd	nd
624365	nd	54.12	22.49	31.63	nd	nd
624366	nd	31.06	10.90	20.16	nd	nd
624367	nd	nd	nd	nd	nd	nd
624368	nd	104.15	25.79	78.36	nd	nd
624369	nd	nd	nd	nd	nd	nd
624370	nd	nd	nd	nd	nd	nd
624371	nd	nd	nd	nd	nd	nd
624372	nd	nd	nd	nd	nd	nd
624373	nd	nd	nd	nd	nd	nd
624374	nd	nd	nd	nd	nd	nd
624375	nd	nd	nd	nd	nd	nd
624376	nd	nd	nd	nd	nd	nd
624377	nd	nd	nd	nd	nd	nd
624378	nd	nd	nd	nd	nd	nd
624379	nd	nd	nd	nd	nd	nd
624380	nd	nd	nd	nd	nd	nd
624381	nd	nd	nd	nd	nd	nd
624382	nd	nd	nd	nd	nd	nd
624383	nd	nd	nd	nd	nd	nd
624384	nd	nd	nd	nd	nd	nd
624385	nd	nd	nd	nd	nd	nd
624386	nd	0.00	nd	bdl	nd	nd

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS ANALYTICAL RESULTS
PARSON, PASADENA, CA
GORE FUEL HYDROCARBONS VOCs/SVOCs (A2)
ESTIMATED SOIL GAS CONCENTRATION
DESC NORWALK, NORWALK, CA
SITE FJB - PRODUCTION ORDER #20516630

SAMPLE NAME	135TMB, ug/m^3	NAPH&2-MN, ug/m^3	NAPH, ug/m^3	2MeNAPH, ug/m^3	MTBE, ug/m^3	OCT, ug/m^3
MDL=	8.15		6.76	5.96	5.11	7.92
624387	nd	nd	nd	nd	nd	nd
624388	nd	nd	nd	nd	nd	nd
624389	nd	nd	nd	nd	nd	nd
624390	nd	60.21	17.02	43.19	nd	nd
624391	nd	nd	nd	nd	nd	nd
624392	nd	nd	nd	nd	nd	nd
624393	nd	nd	nd	nd	nd	nd
624397	nd	nd	nd	nd	nd	nd
624398	nd	nd	nd	nd	nd	nd
624399	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd
Maximum	230.73	3162.99	979.42	2183.57	0.00	6.46
Standard Dev.	31.09	357.82	119.91	239.73	0.00	0.66
Mean	4.81	62.15	22.14	40.42	0.00	0.07

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE™ SURVEYS ENVIRONMENTAL SITE ASSESSMENT

FOCUSING YOUR REMEDIATION EFFORTS.

Vapor Concentration Calculations

Vapor concentration data from the GORE™ Module, are derived from existing ASTM[1], MDHS[2] and other accepted and approved methods, developed for passive, sorbent-based, diffusion samplers.

Air: $\mu g/m^3$ = Mass/System Factor/[(Sampling Rate)(Exposure Time)

Soil Gas: $\mu g/m^3$ =Air/Soil Effectiveness Factor

Mass = GC/MS measured mass from the Module

System Factor = correction factor for the efficiency of adsorption-desorption specific to the adsorbent, the compound of interest, and the analytical method

Sampling Rate = liters per hour (L/hr) of contaminated air collected by the Module

Soil Effectiveness Factor (E) = corrects for soil porosity and moisture content

Volume of air determinations were made by measuring the uptake rate of the GORE™ Module over time. Modules were placed in a sample chamber equipped with a microbalance. Vapor containing toluene concentrations of 10, 30 and 50 ppm were introduced into the chamber. The mass uptake was recorded through time, and for each concentration was linear with time. The slopes from each linear concentration curve were plotted and modeled. The sampling rate was determined for toluene. In a similar fashion, sampling rates were measured for a number of other petroleum and chlorinated compounds. Using these measured sampling rates and physical properties of these compounds, a model was generated to predict the sampling rates of similar compounds in our analyte list.

The masses of the target compounds are derived by desorbing the Module and analyzing the sample via gas chromatography and mass spectroscopy (GC/MS) following modified EPA methods 8260/8270. The mass is reported in units of micrograms.

System factors account for the efficiency of adsorption and desorption specific to the adsorbent, the compound of interest and the GC/MS method. The system factor is calculated for each target compound.

Soil effectiveness factors (E) is applied to the sampling rate to correct for lower potential flow through the pores of the soil, accounting for physical limitations that can retard the vapor migration process, e.g., low porosity soils and moisture in the vadose zone pore space. The factor is equal to the ratio of the effective diffusion of the compounds to the molecular diffusivity of the compound in air.

REFERENCES

1. ASTM Methods 6306-98, 4597-03, 6246-02, and 5314-93
2. MDHS Methods, 27, 70, and 80
3. Millington, R.J. and J.M. Quirk. 1961. “Permeability of Porous Solids.” Trans. Faraday Soc. 57:1200-1207.
4. User’s Guide for the Johnson and Ettinger (1991) Model for Subsurface Vapor Intrusion into Buildings. 2000. PN 050240.004. www.epa.gov/sperfund/programs/risk.airmold/johson_ettinger.htm

GORE Creative Technologies Worldwide

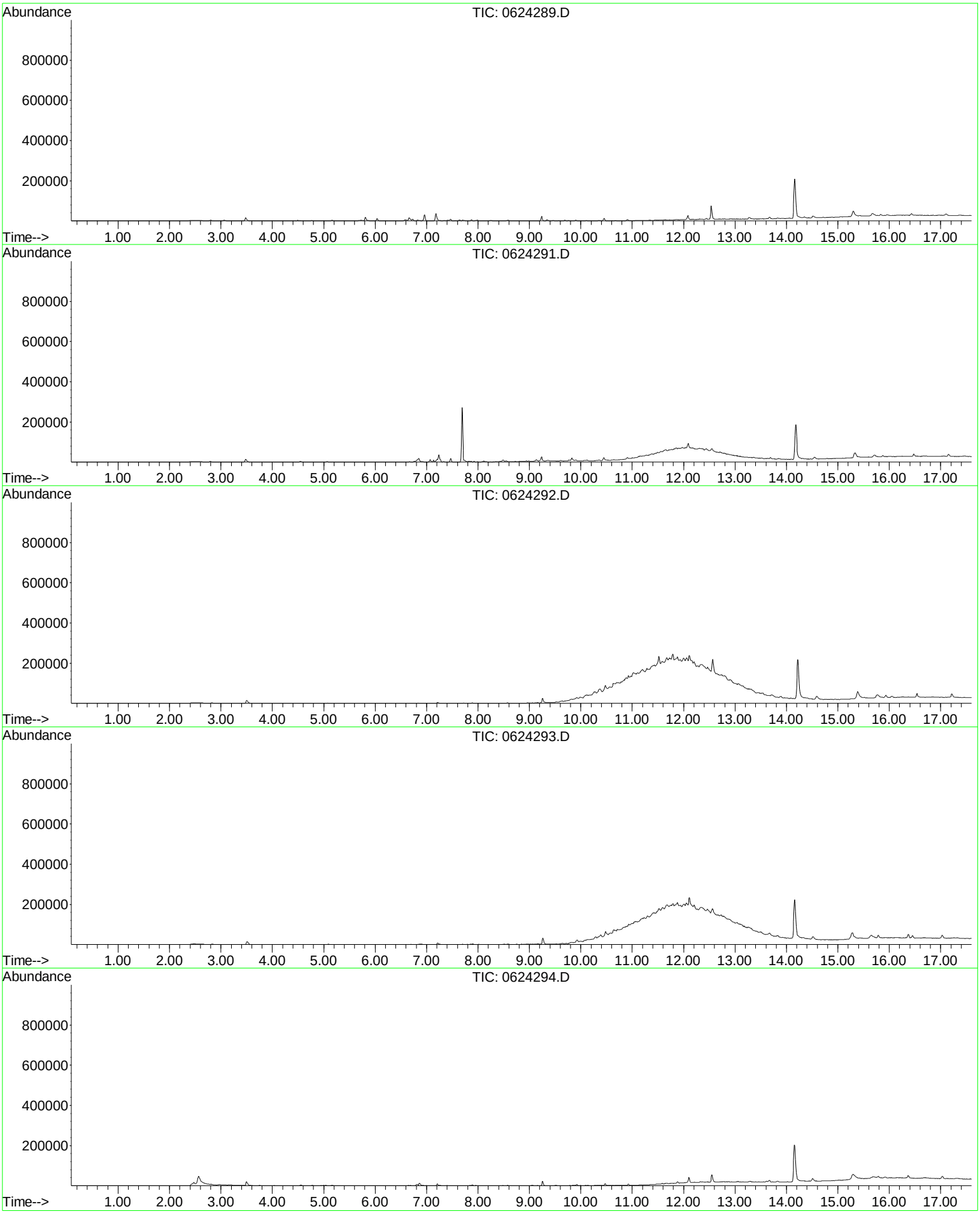
www.gore.com/surveys

W. L. Gore & Associates, Inc.
100 Chesapeake Blvd.
P.O. Box 10
Elkton, MD 21922-0010
Tel. 1-410-392-7600
Fax. 1-410-506-4870

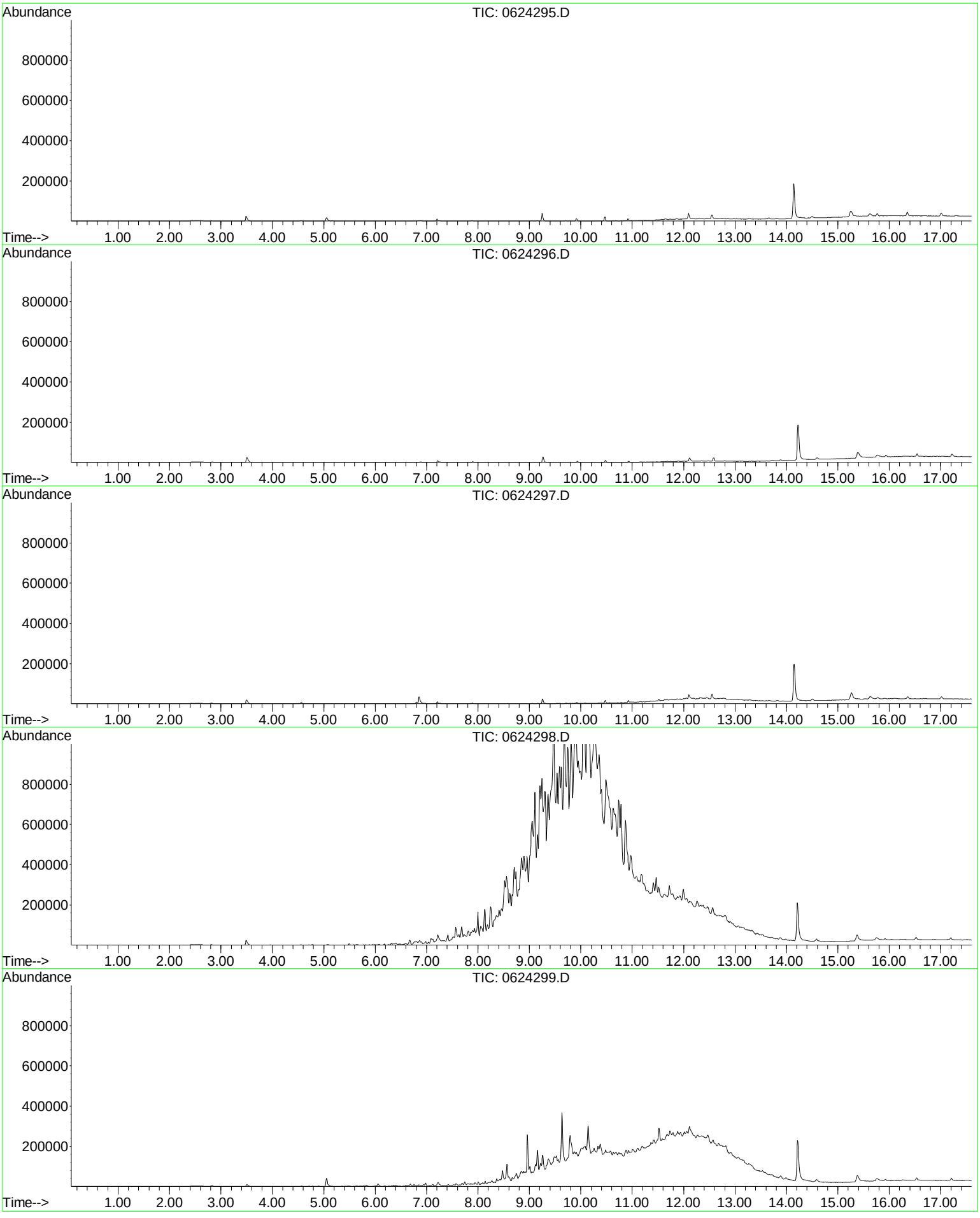
Sale Offices:
Europe: +49-89-4612-2198
Houston: 1-281-405-5540
San Francisco: 1-415-648-0438

Email: environmental@wlgore.com

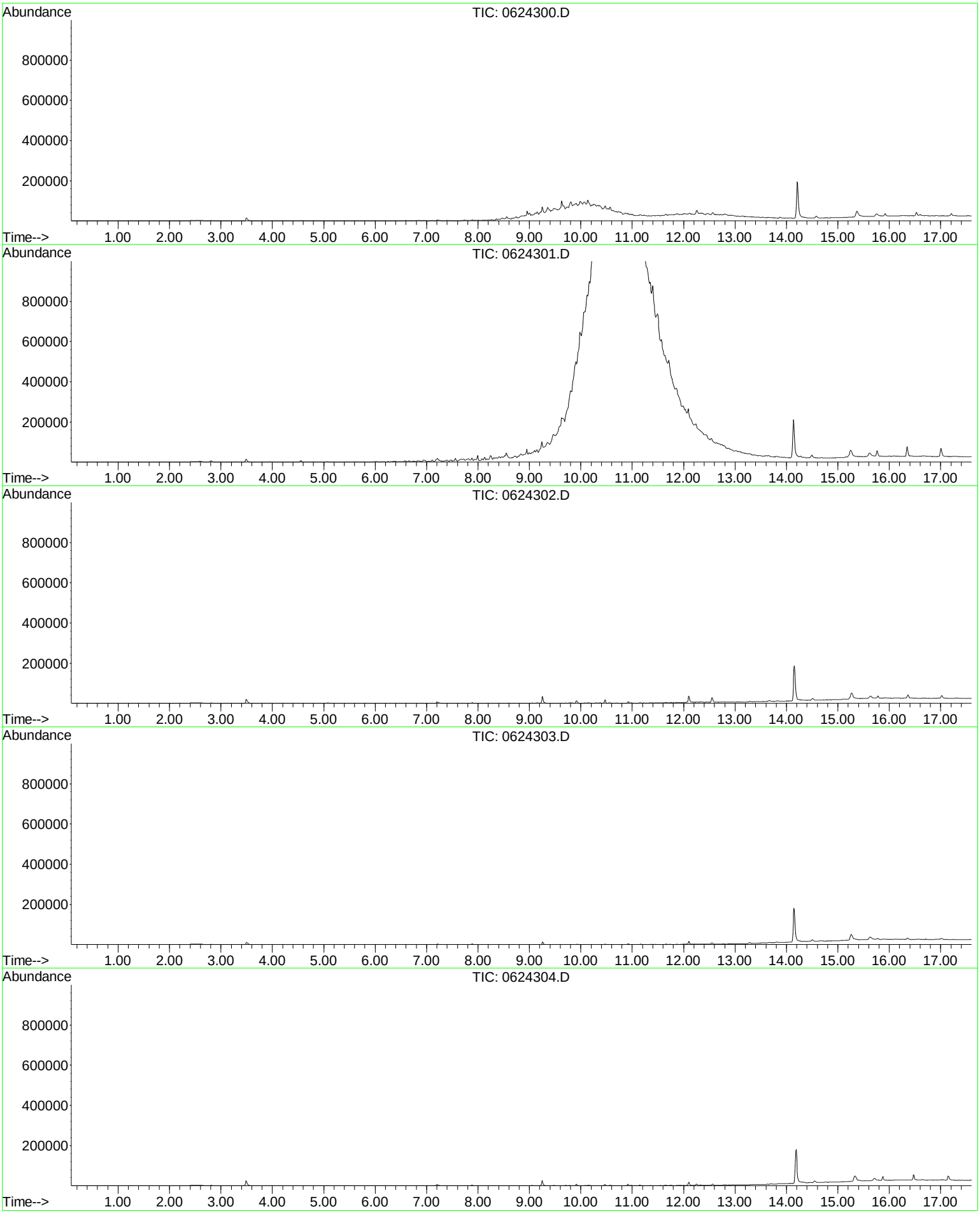
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



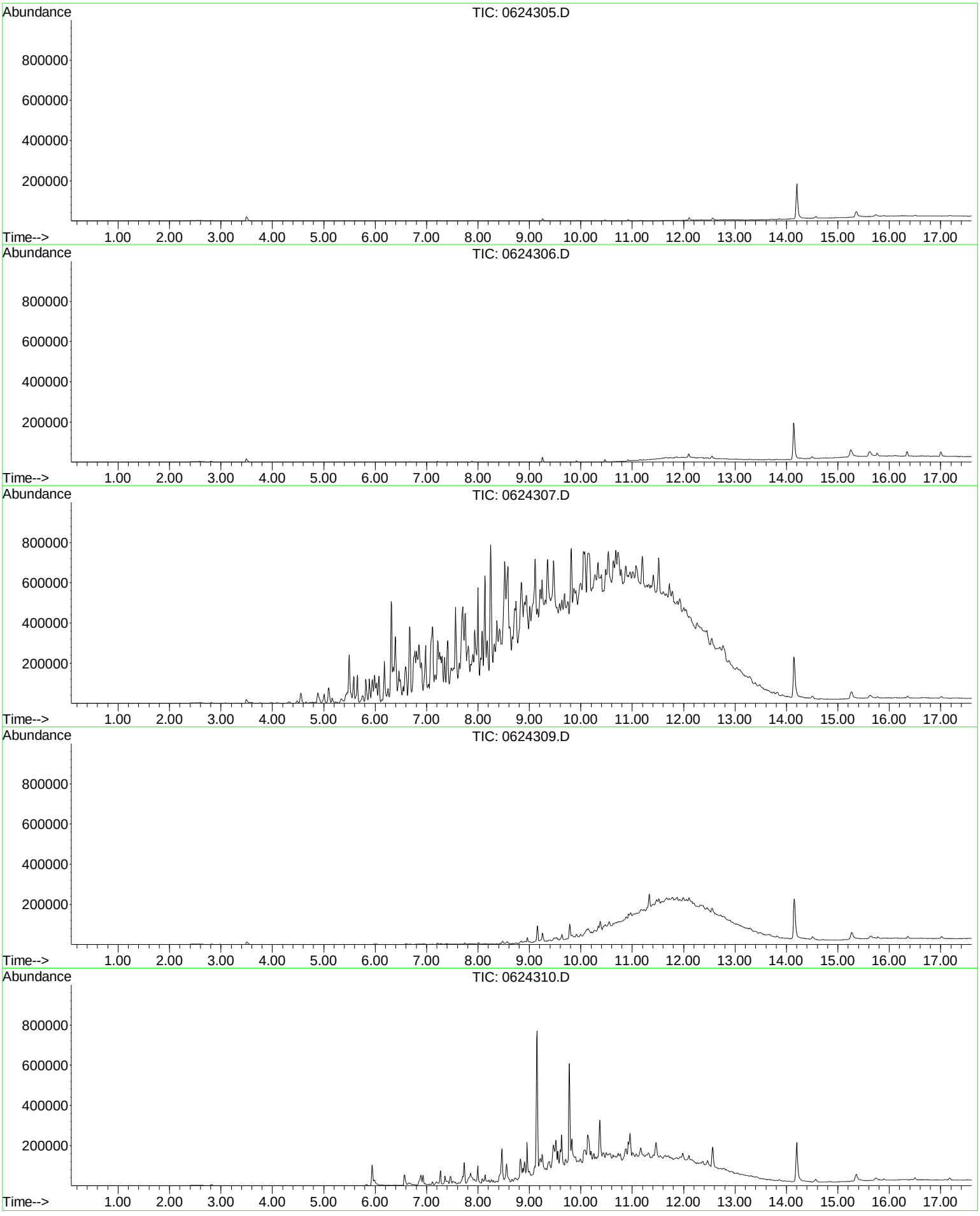
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



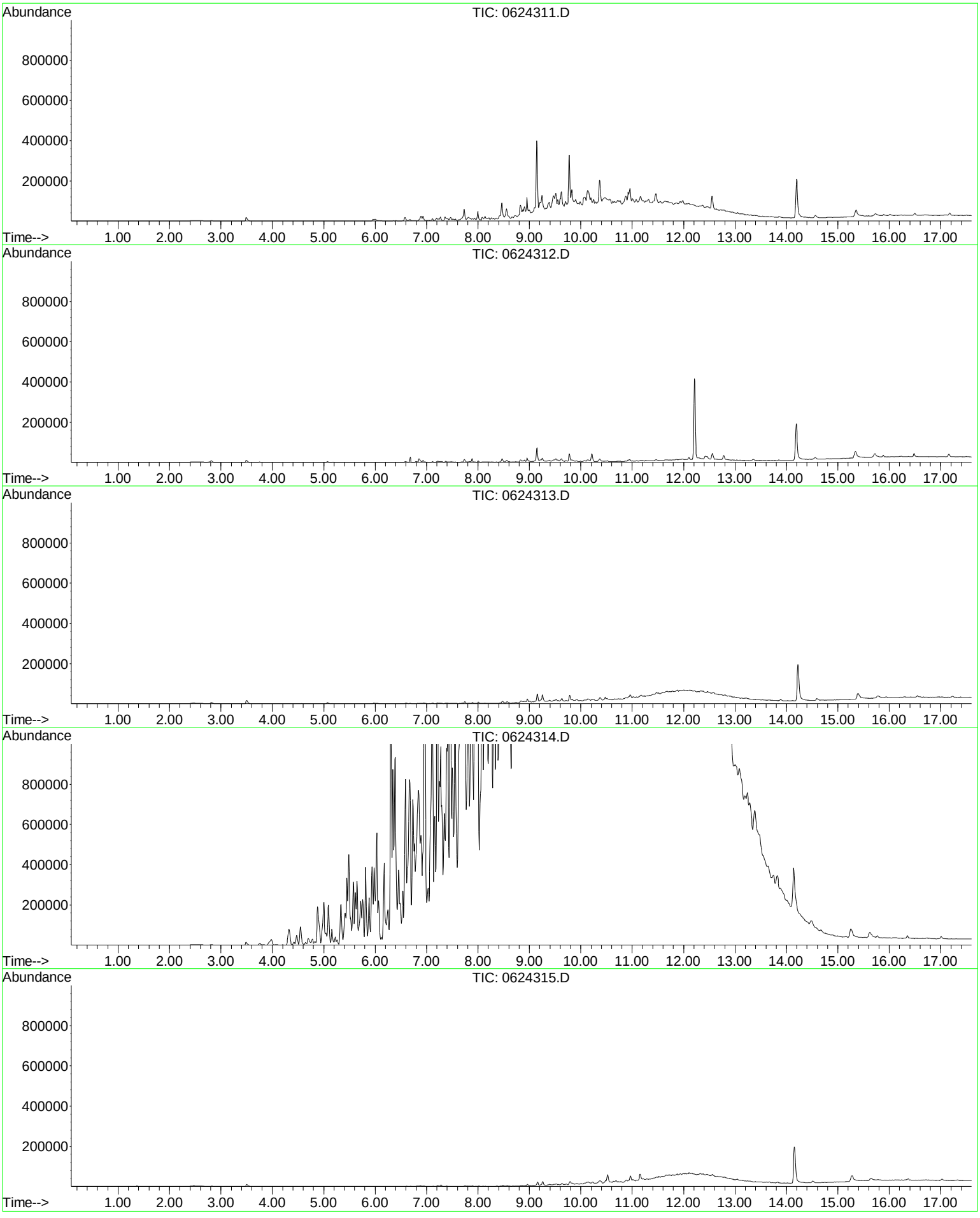
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



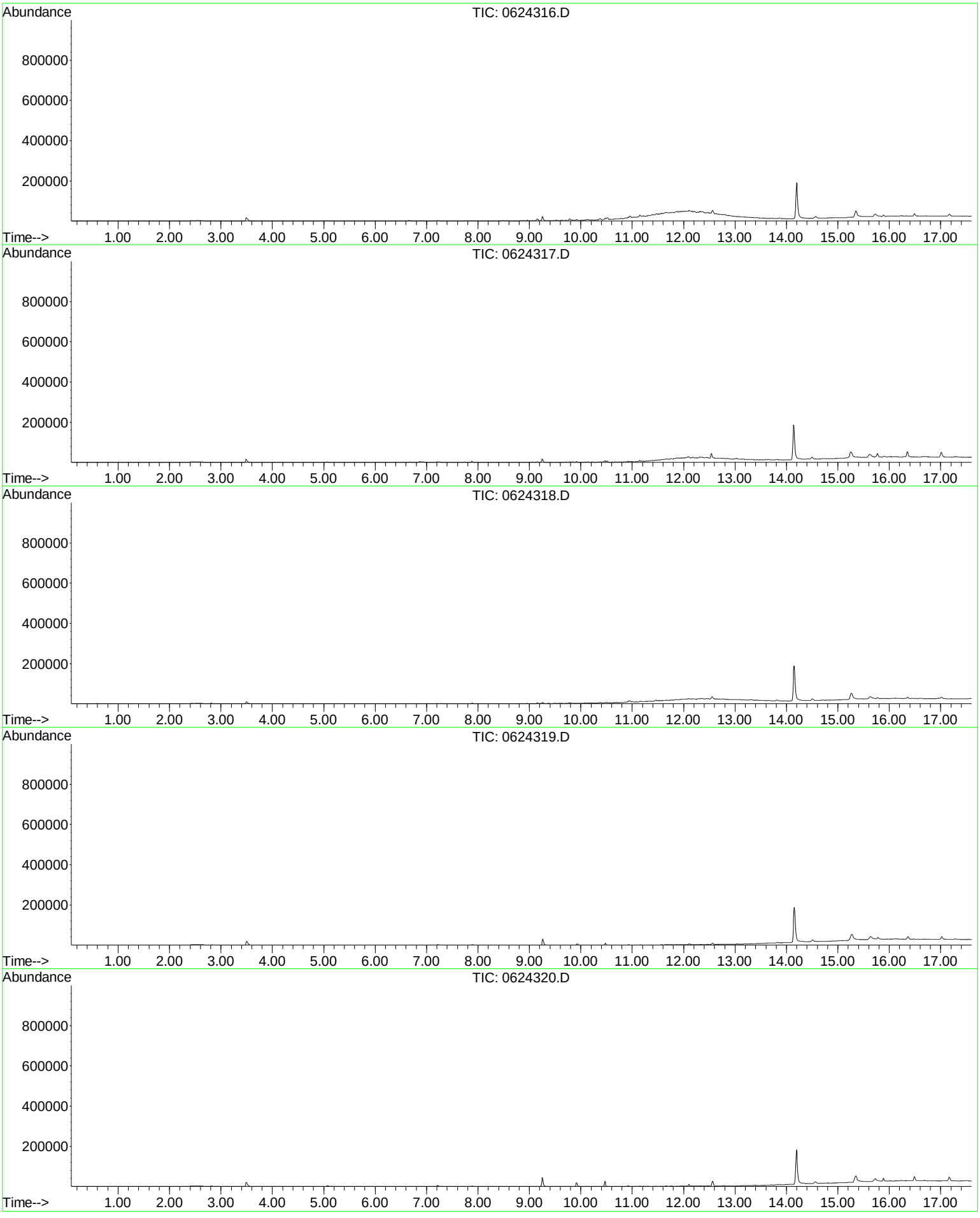
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



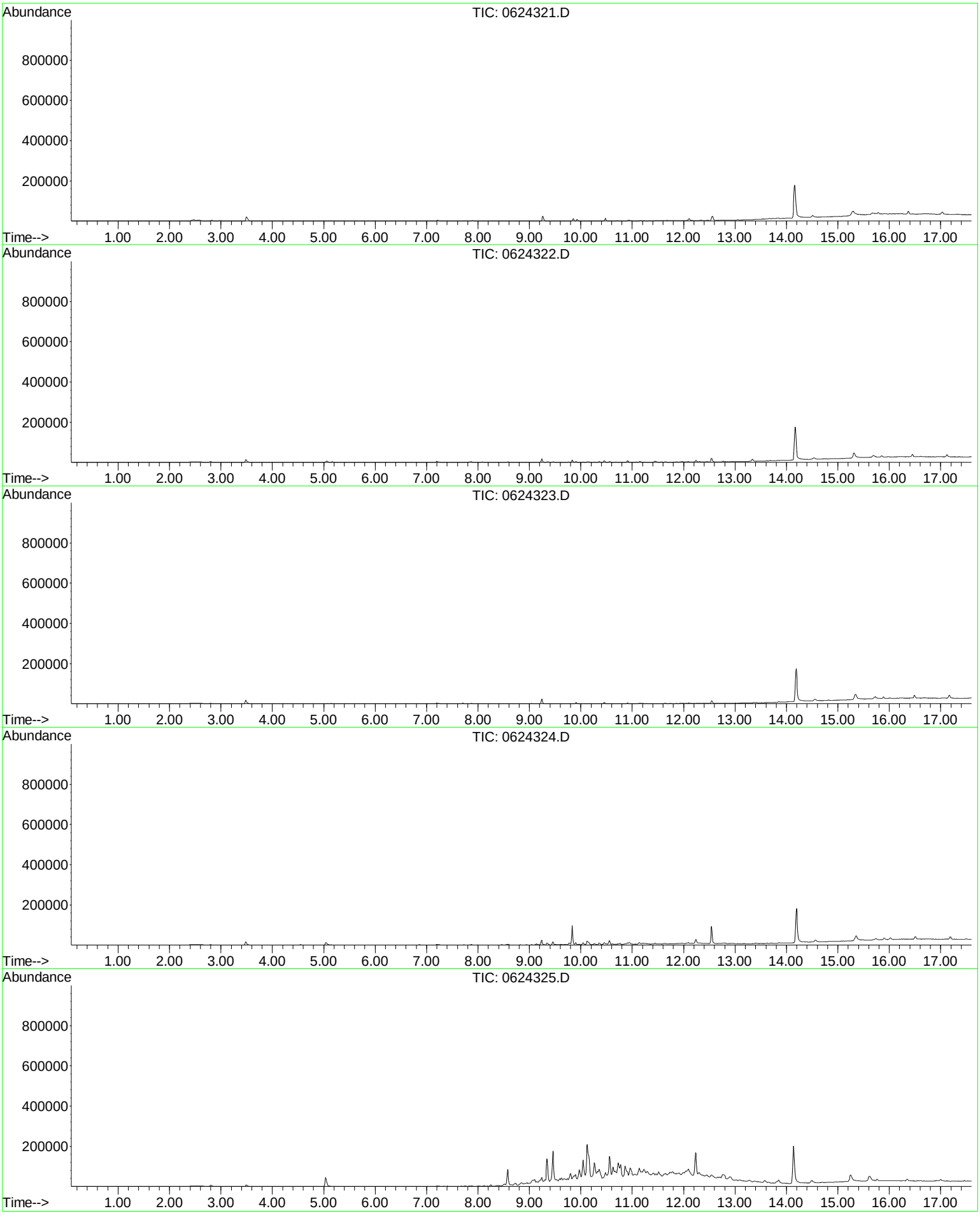
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



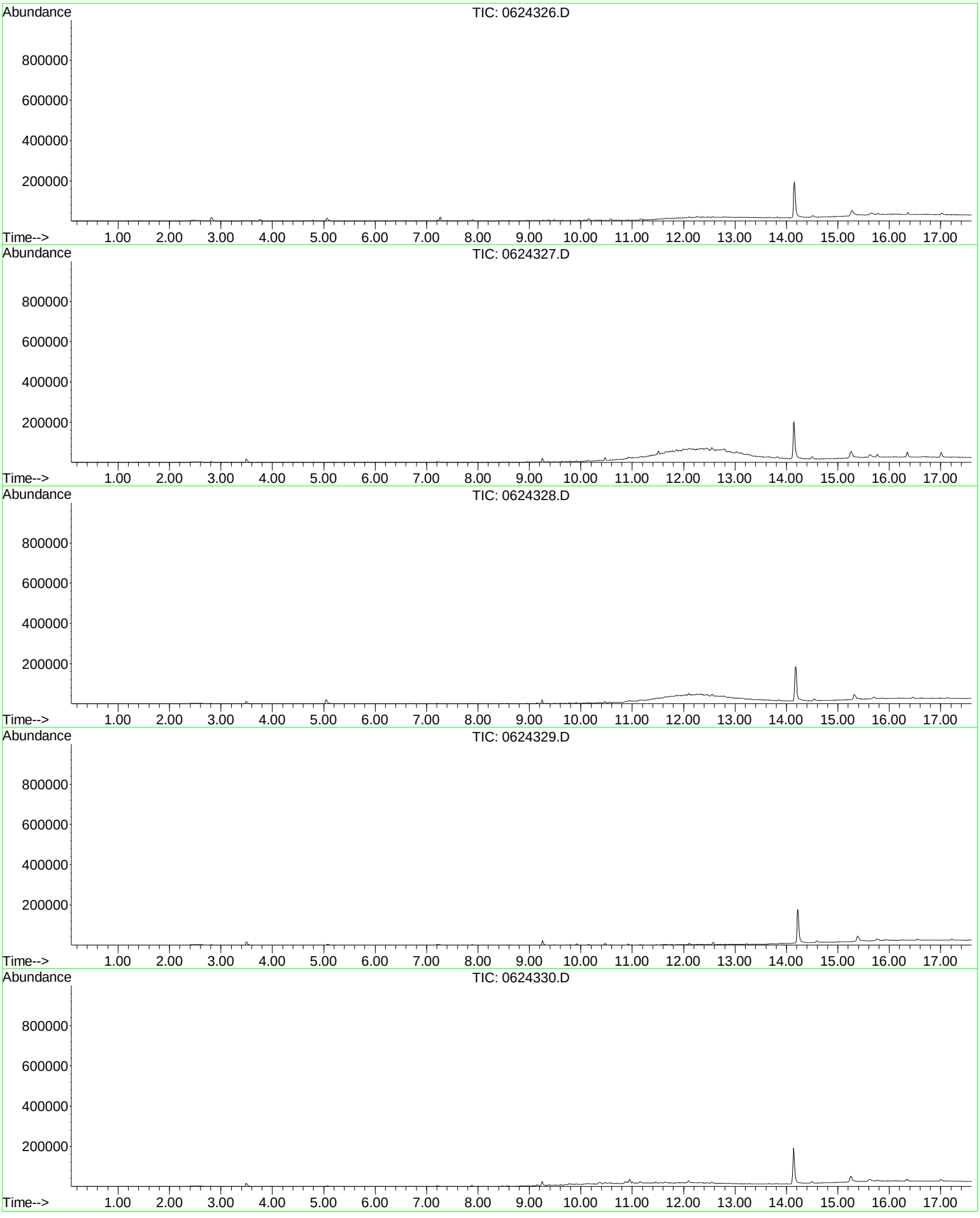
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



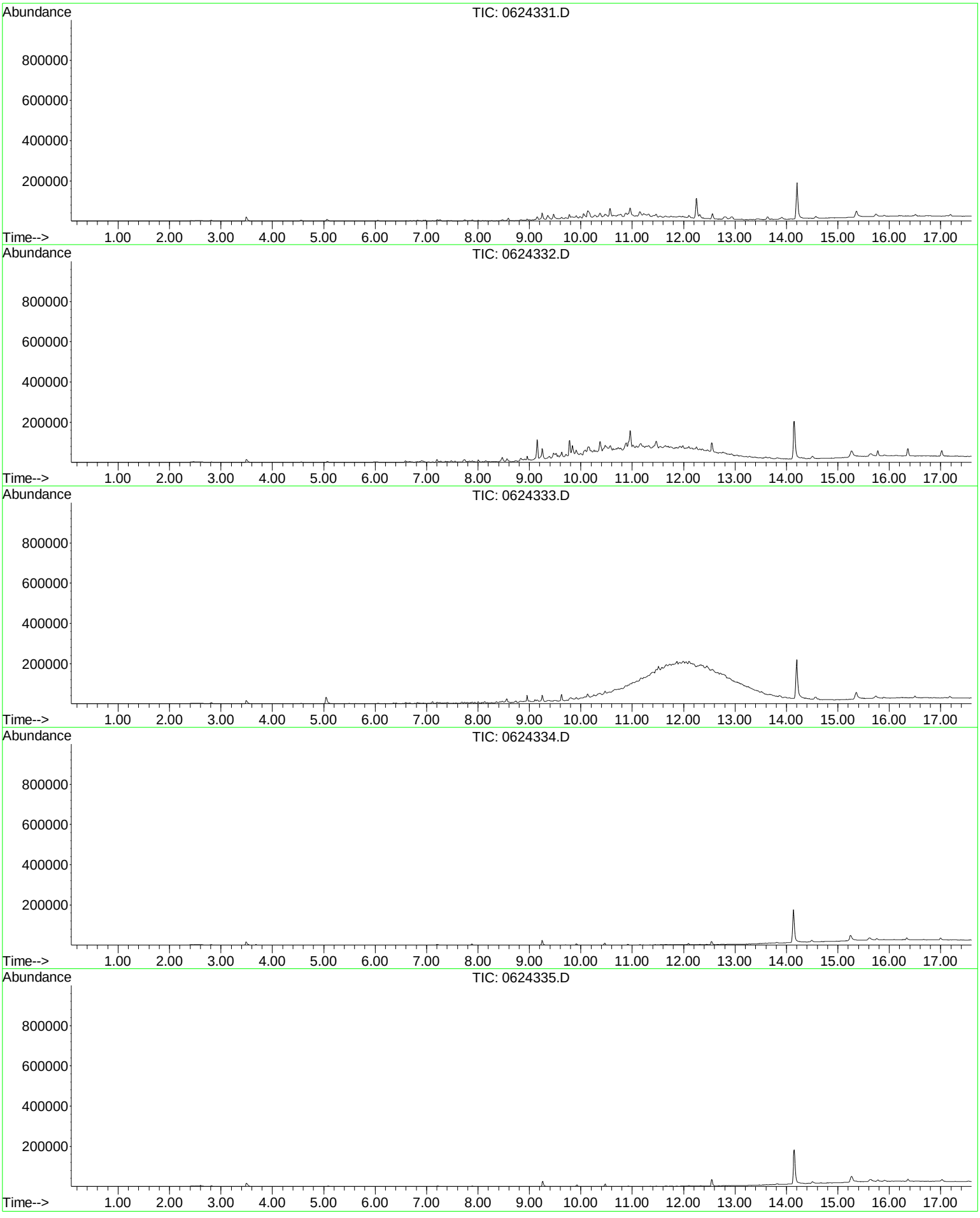
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



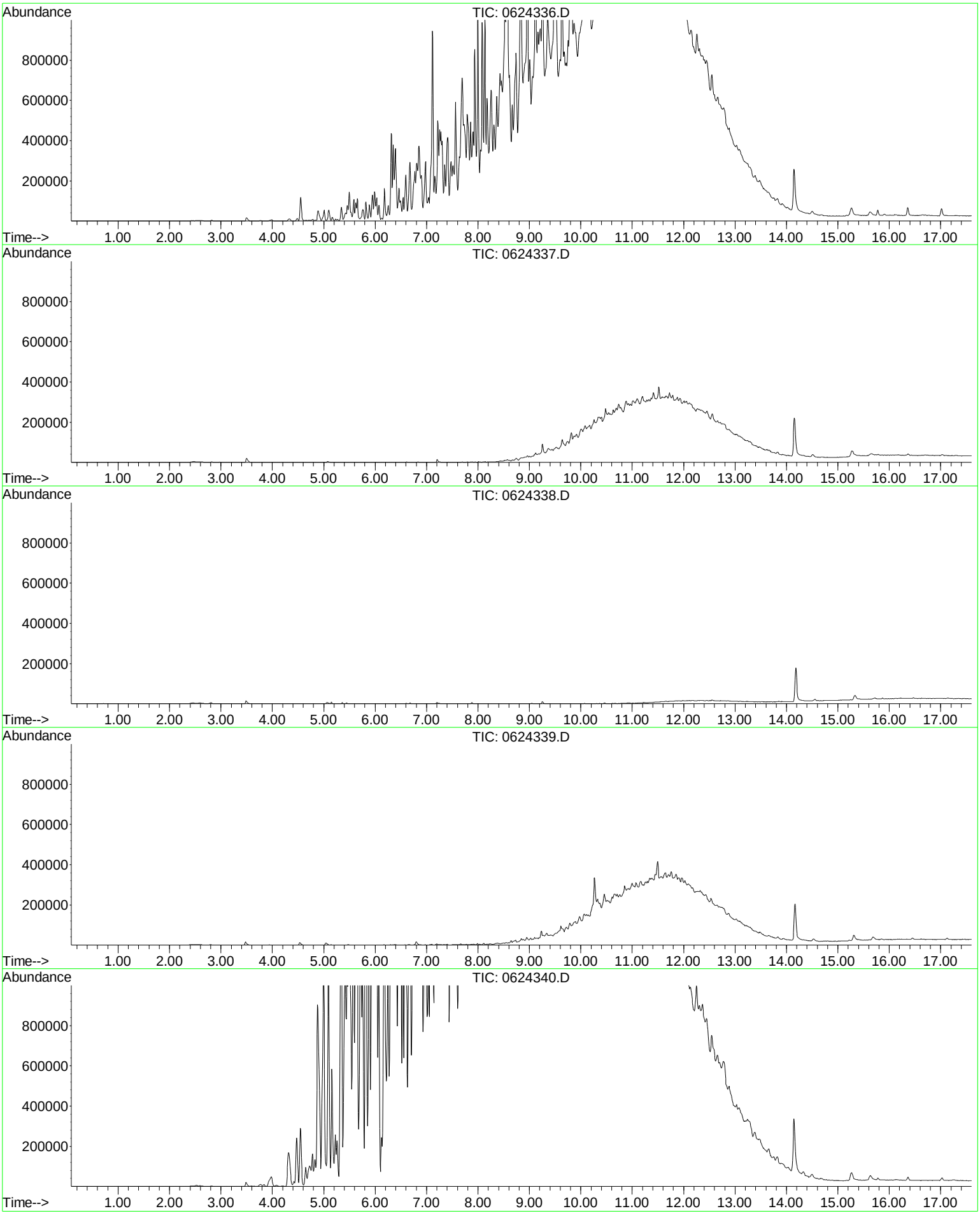
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



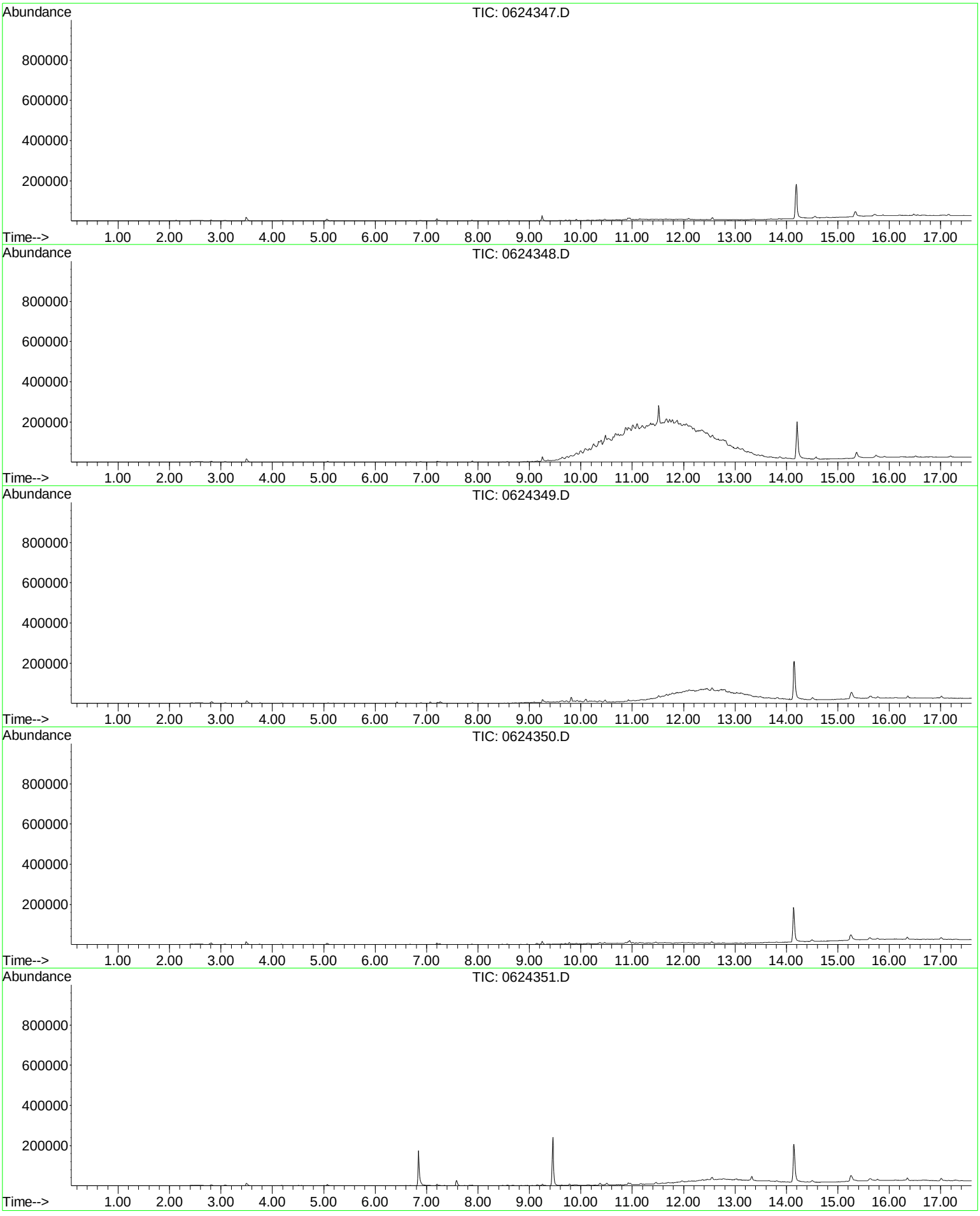
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



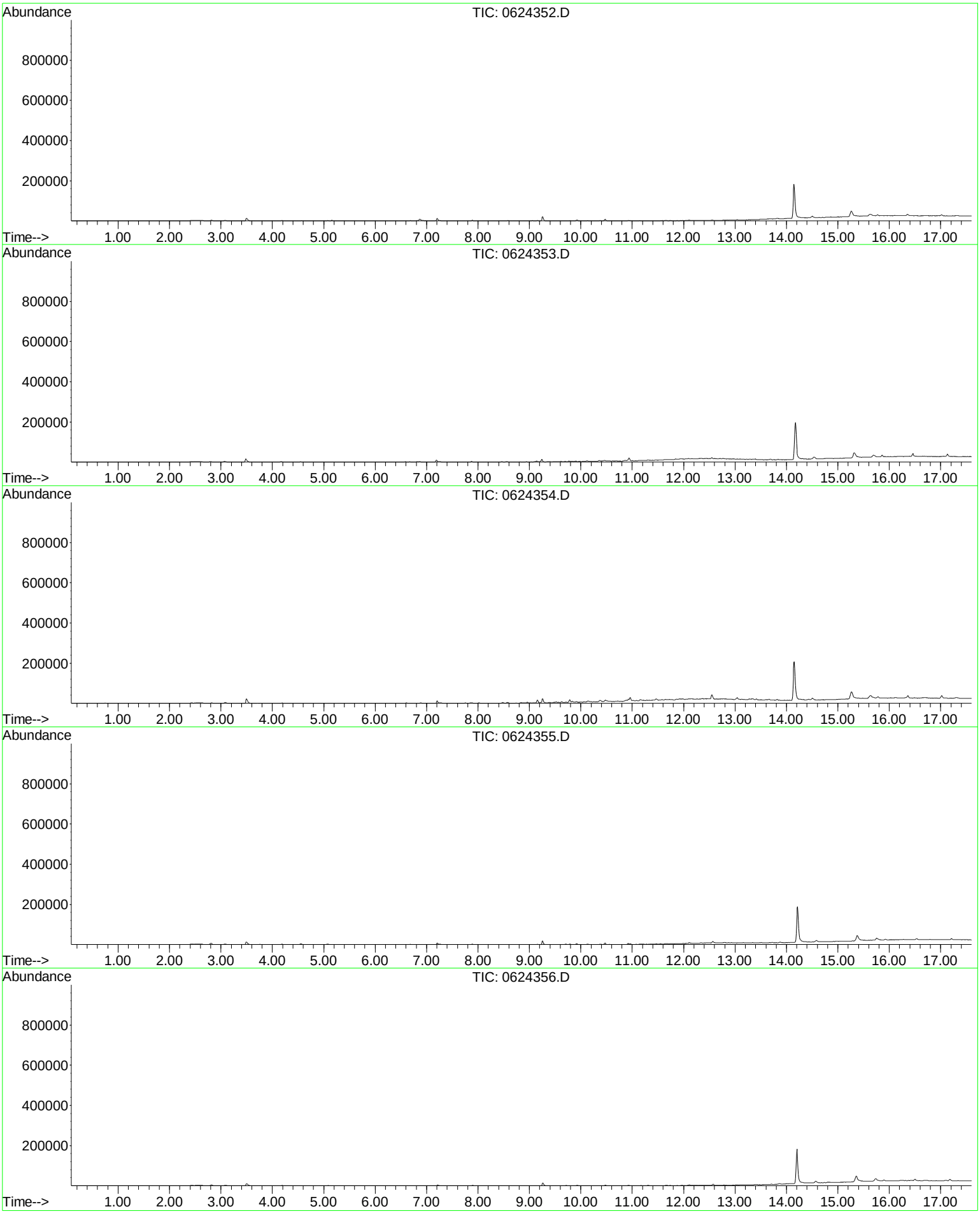
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



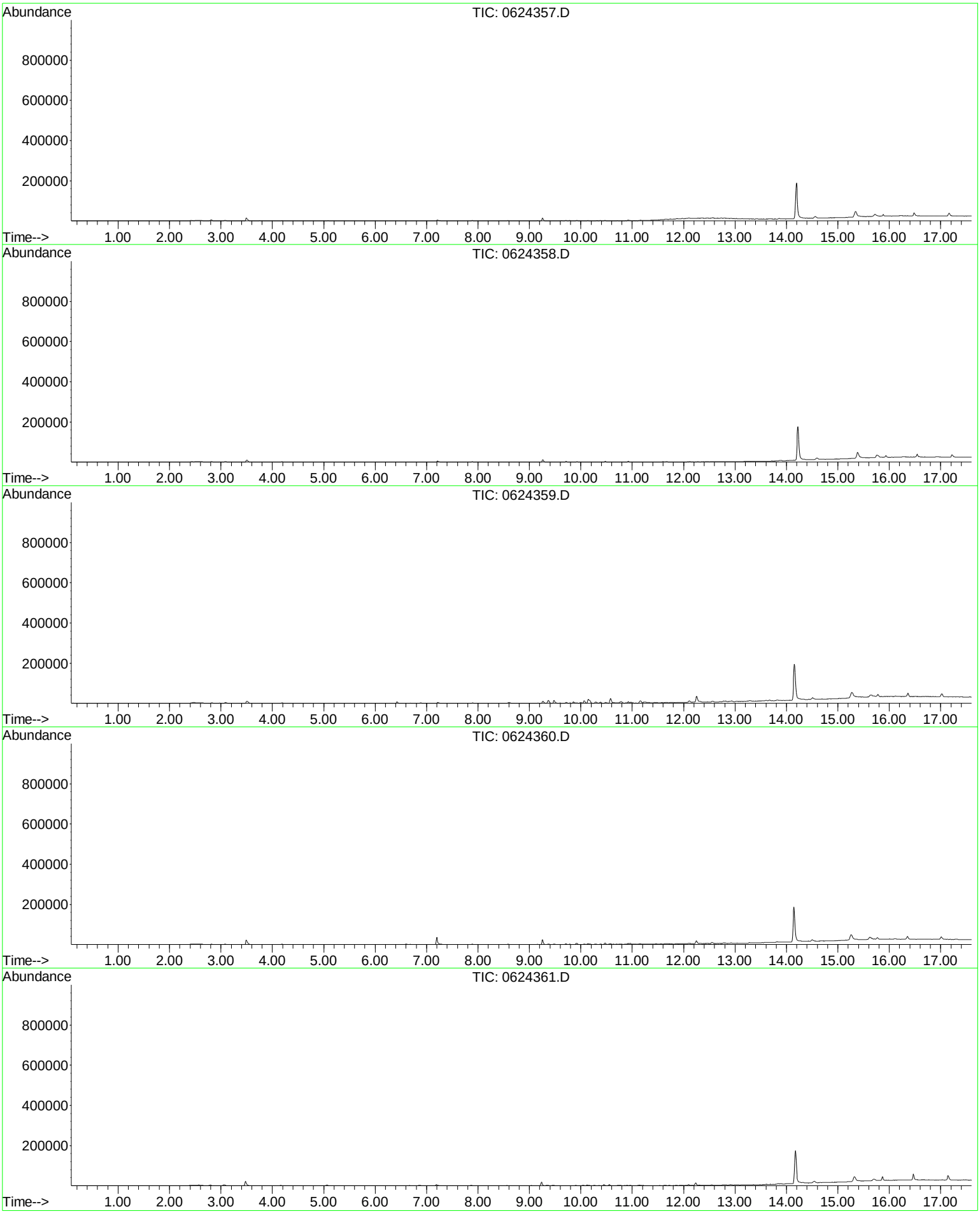
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



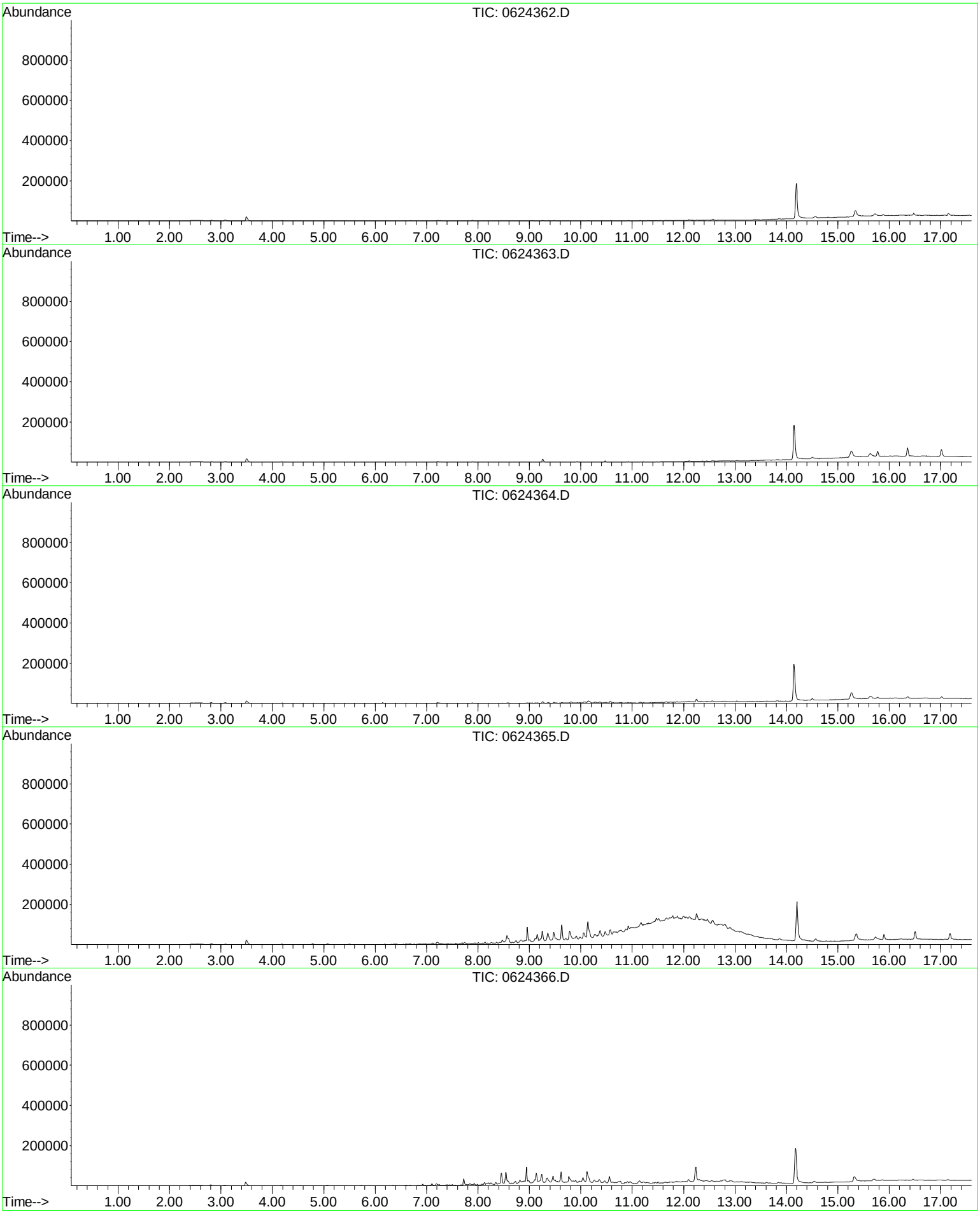
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



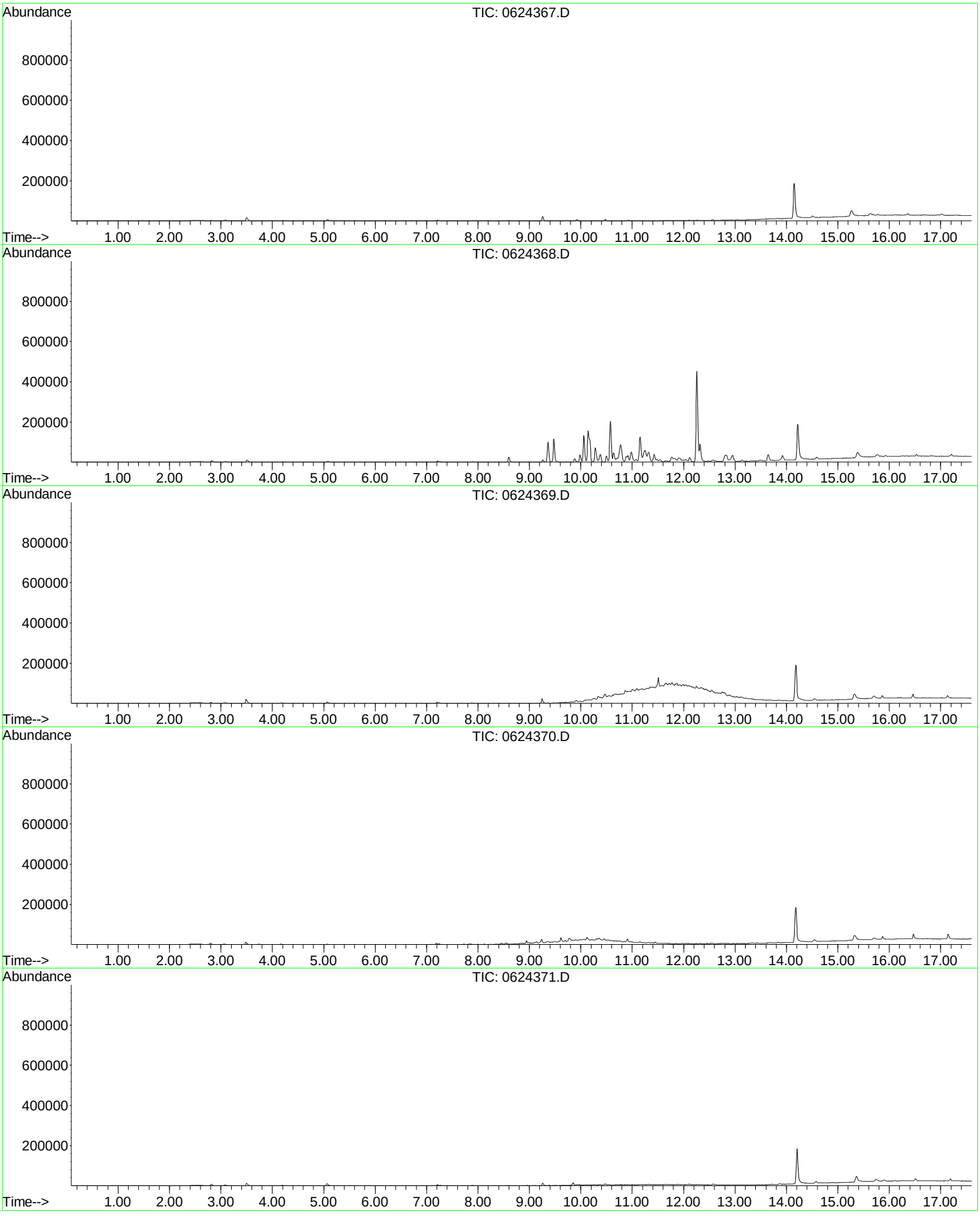
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



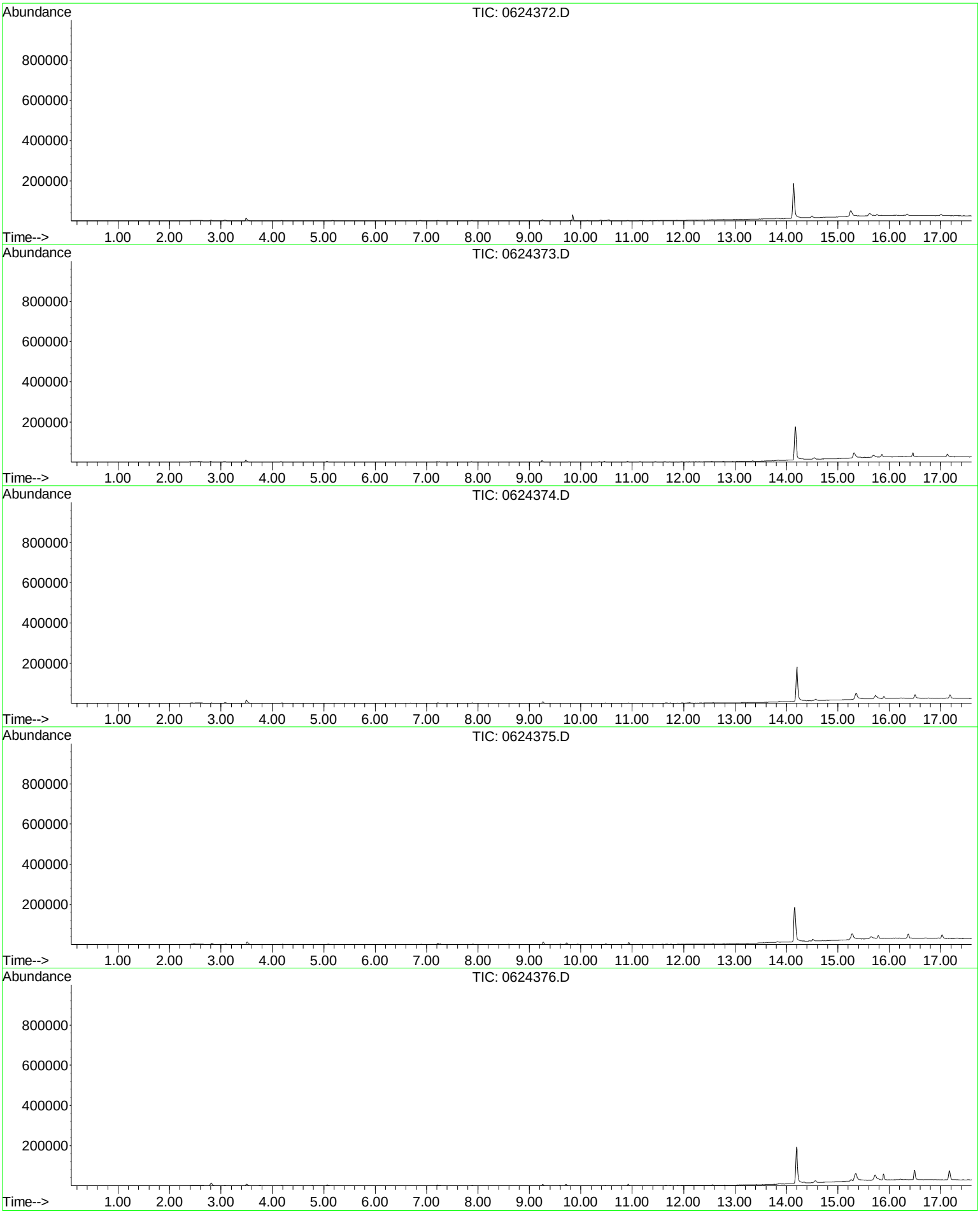
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



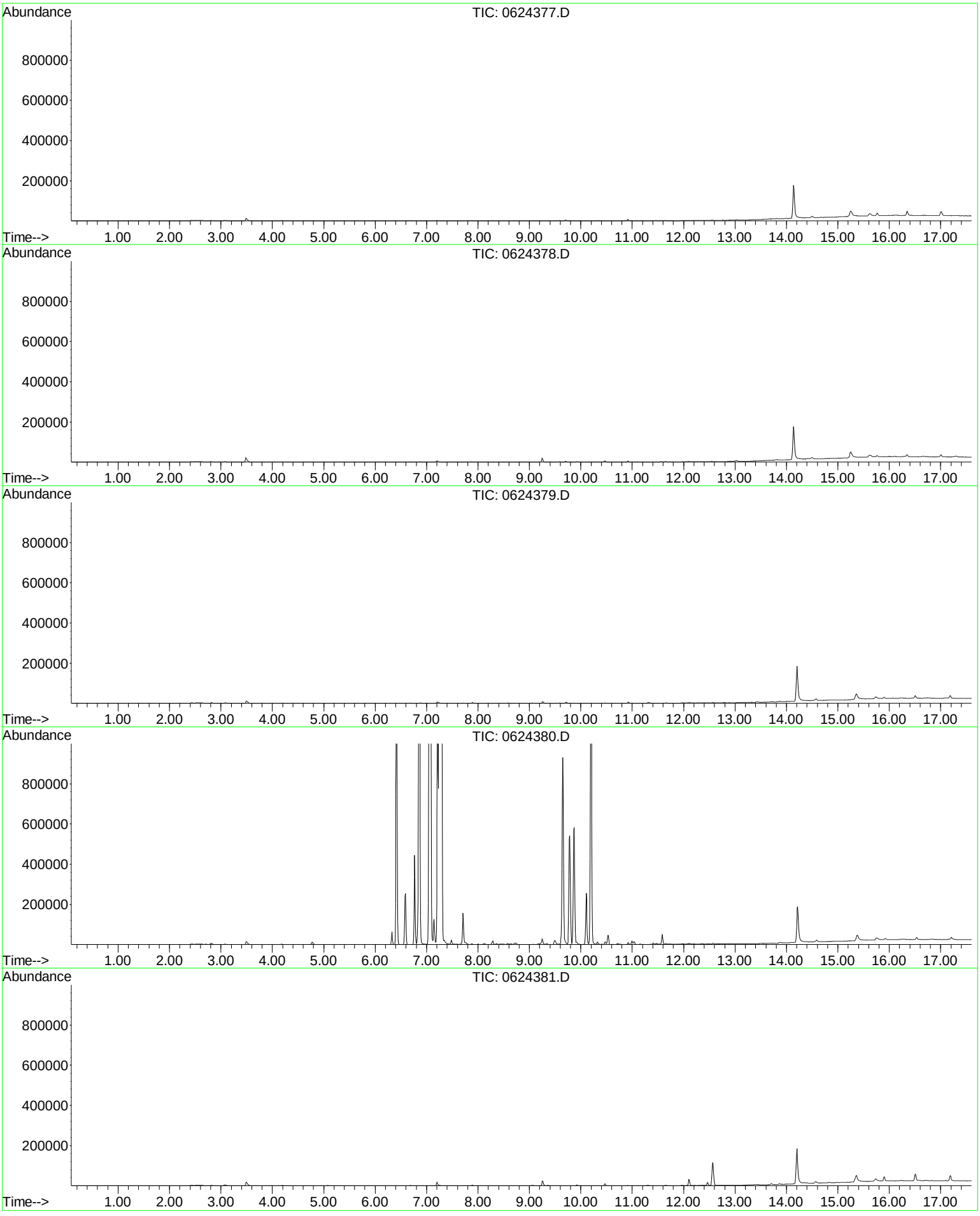
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



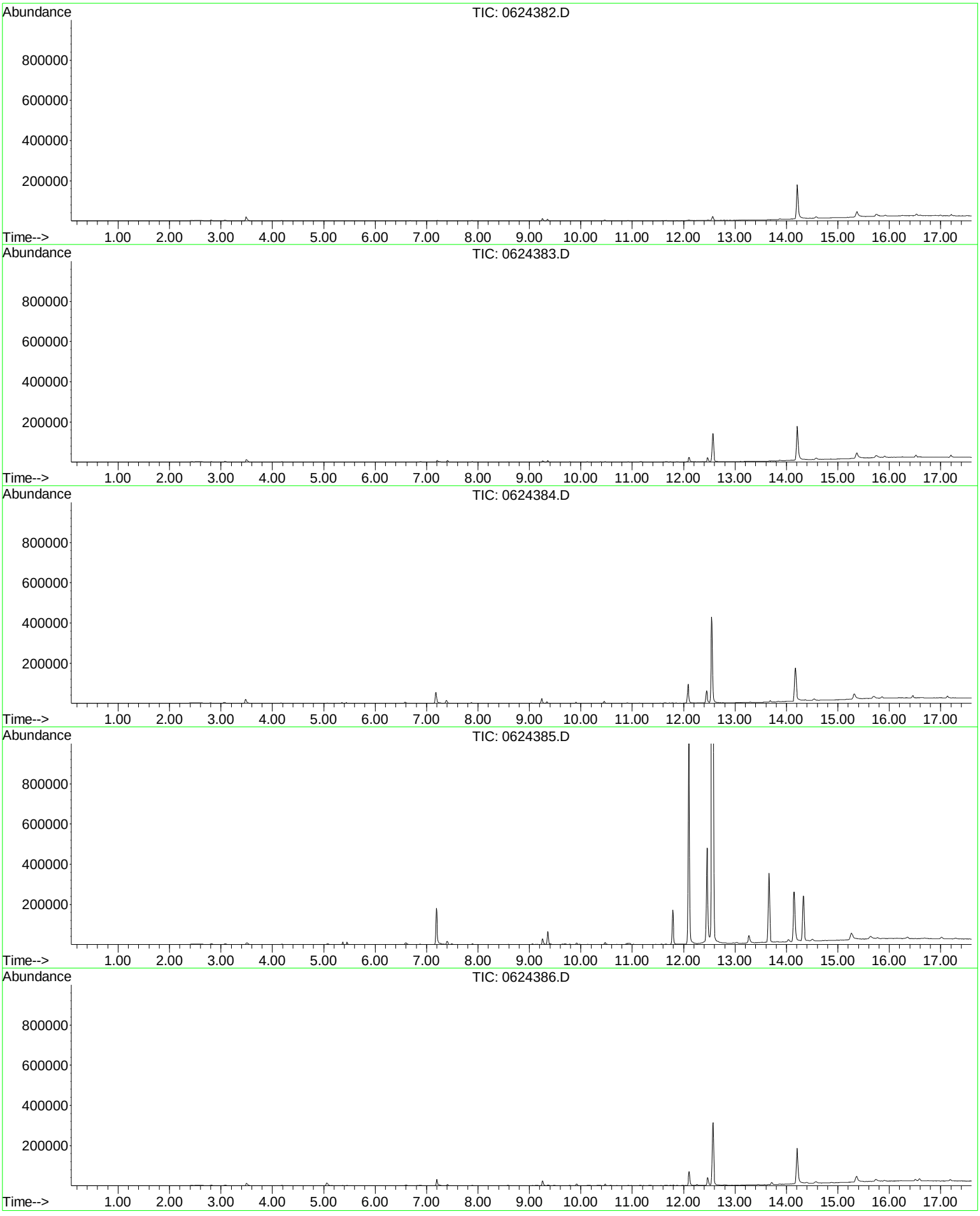
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



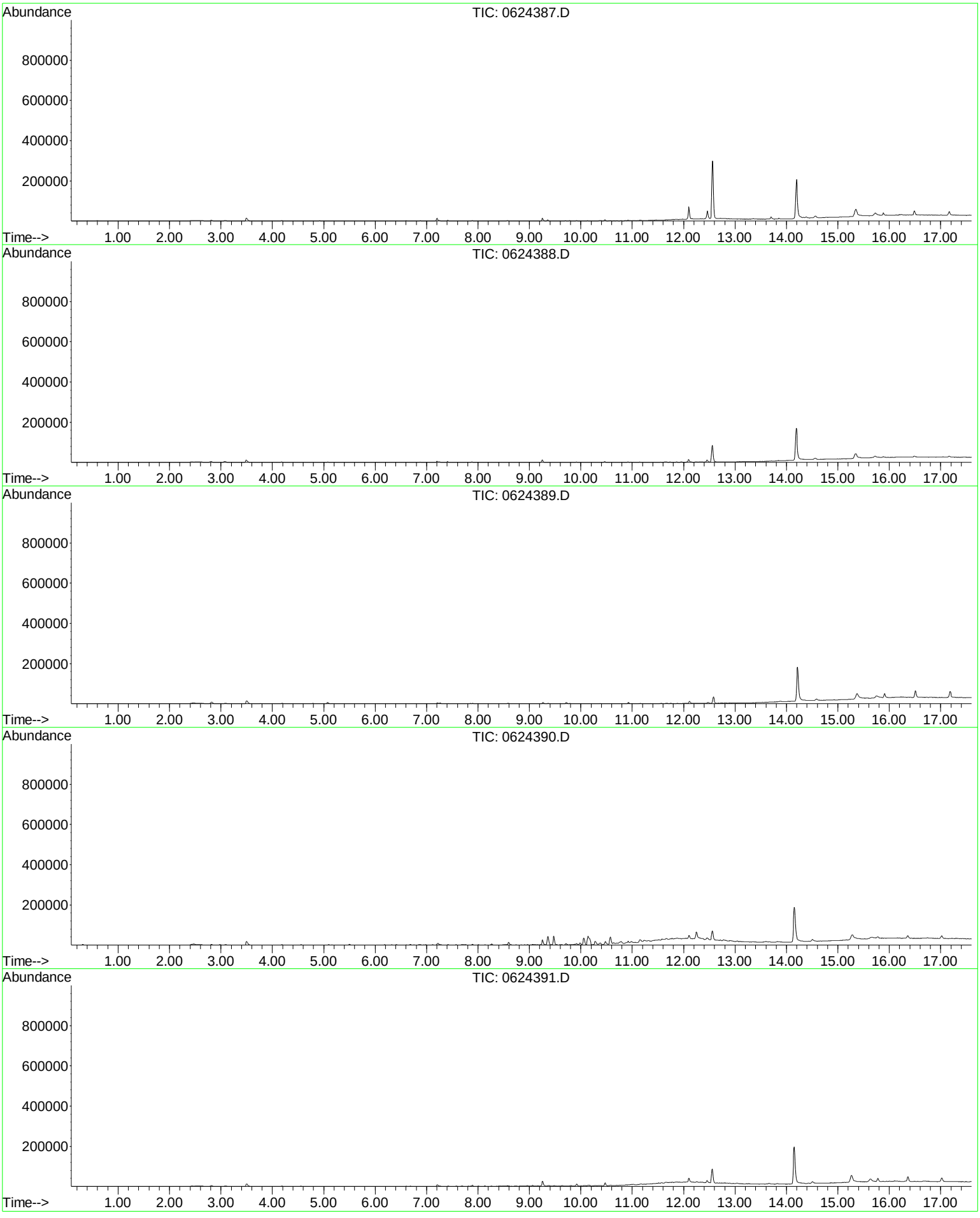
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



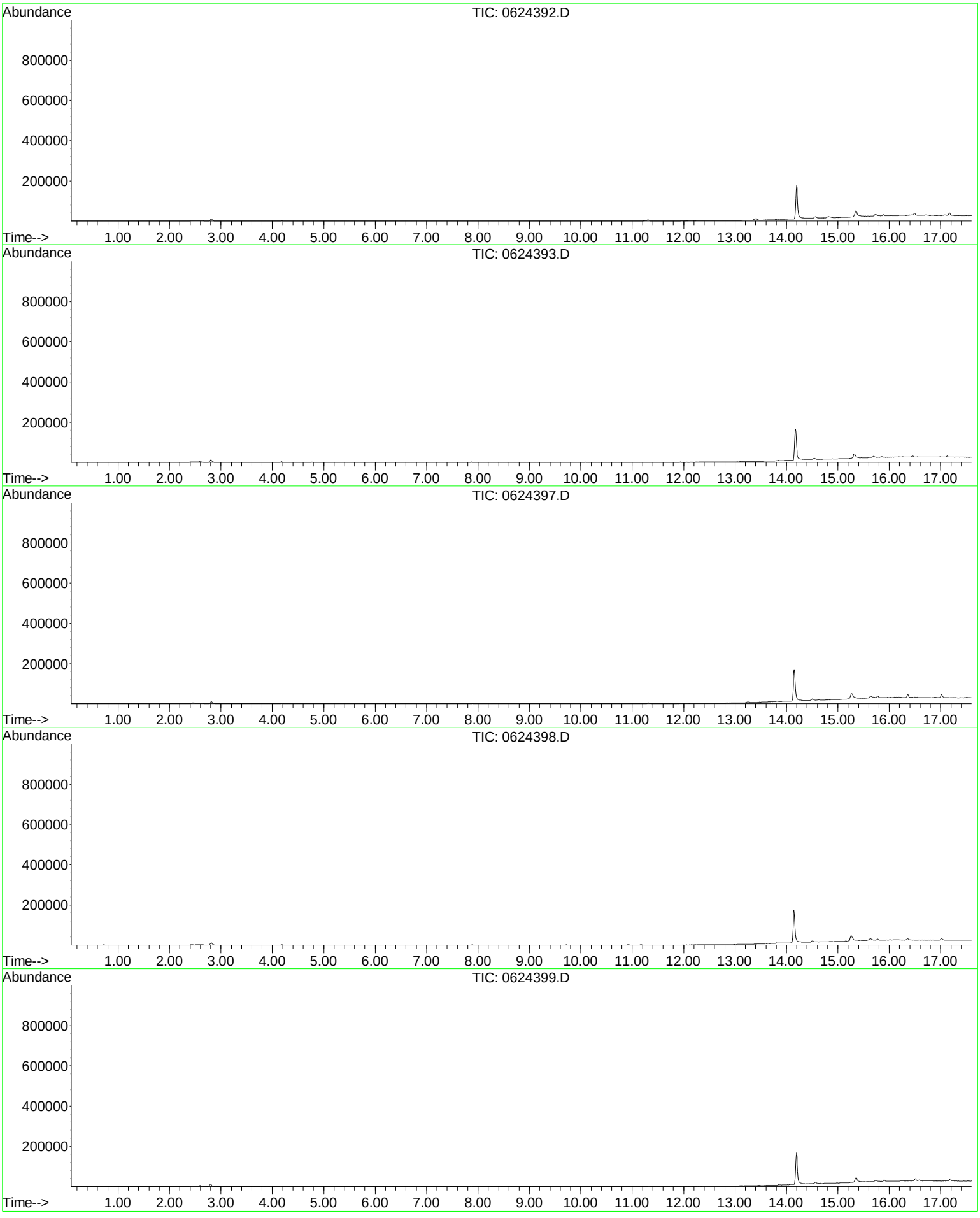
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order

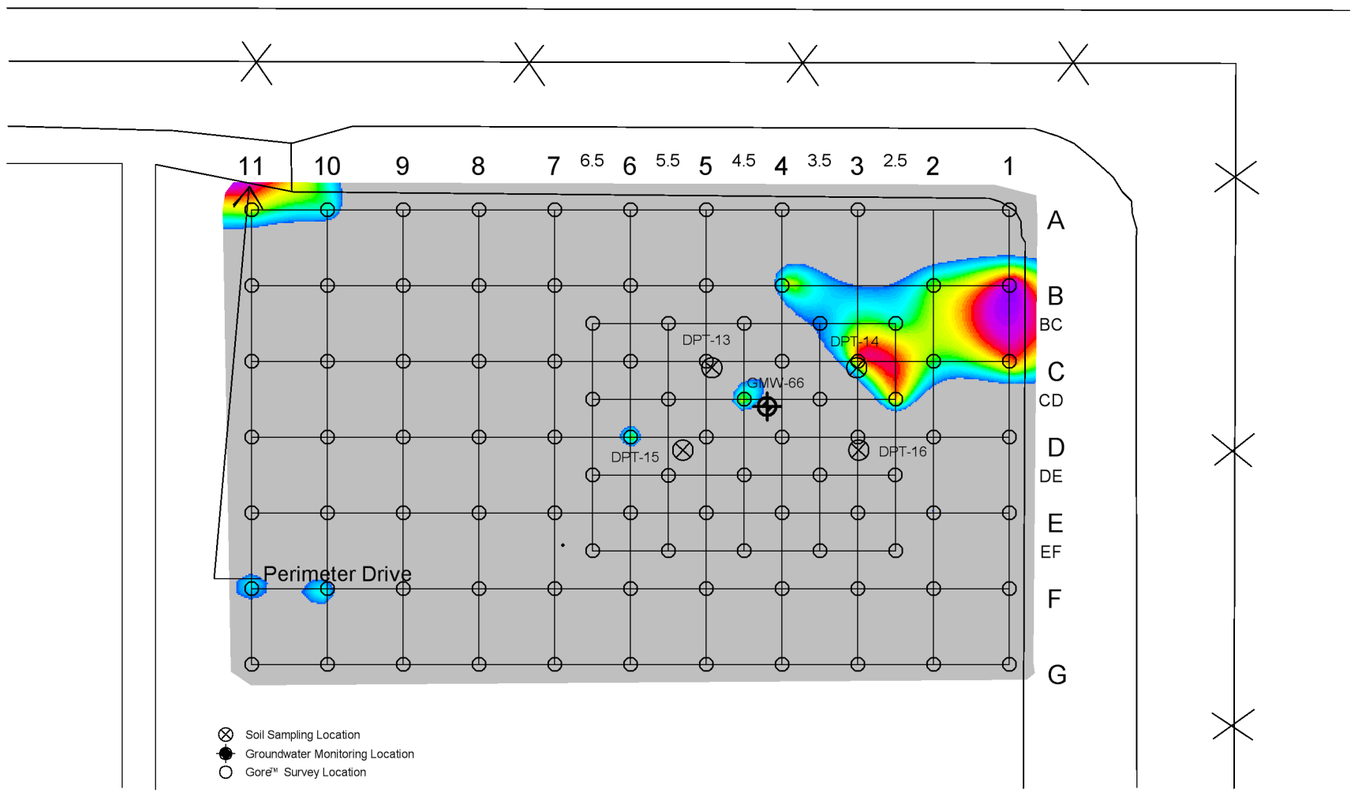


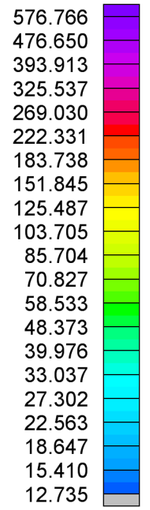
TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order



TIC - SITE CODE FJB - PRODUCTION ORDER #20516630
In Numerical Order







C11, C13, & C15
ug/m^3

Scale 1:600

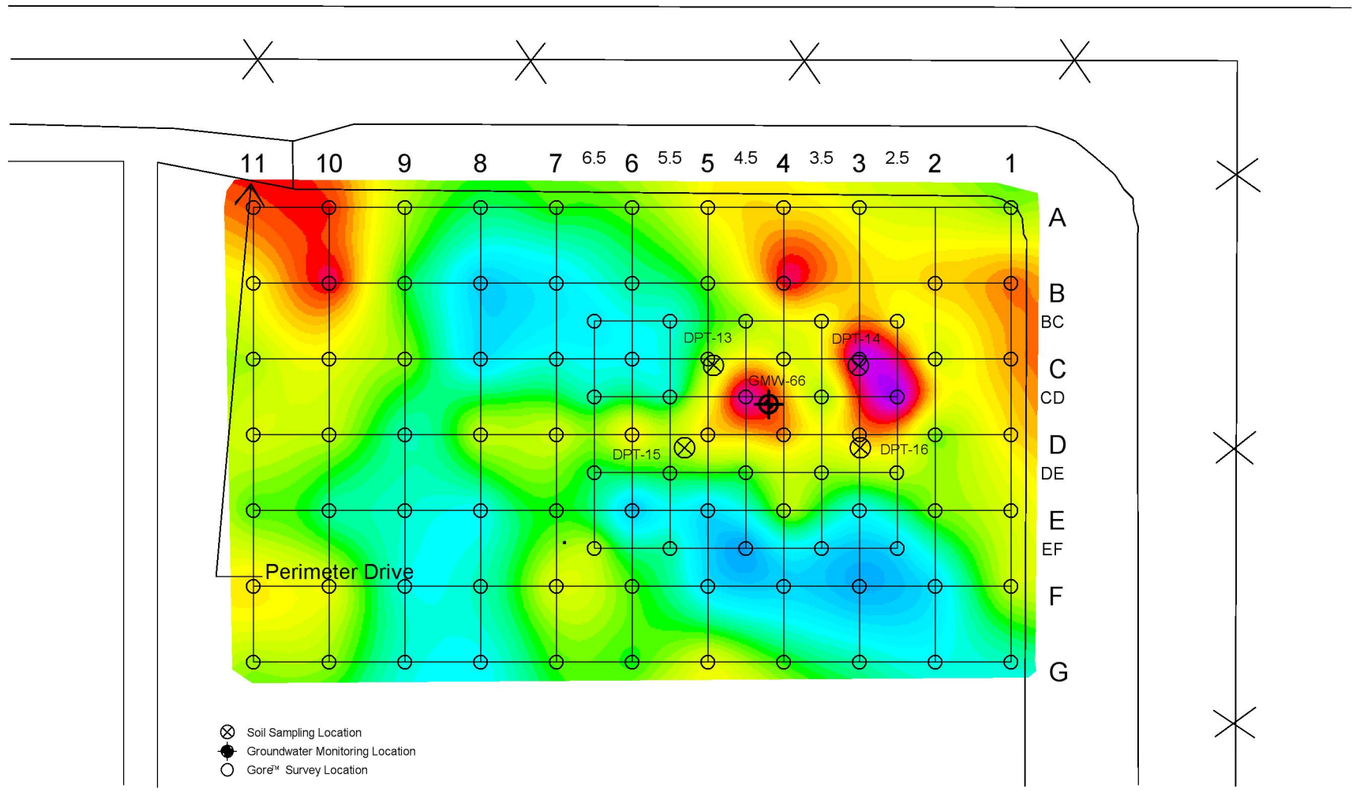
25 0 25 50 75 100 125
(feet)

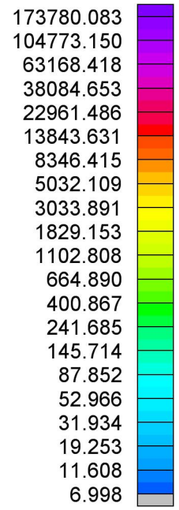
GORE ™ Surveys for Environmental Site Assessment

W.L. GORE & ASSOCIATES, INC.
100 CHESAPEAKE BOULEVARD
ELKTON, MD, USA 21921
USA
(410) 392-7600

Parsons Corporation
DESC Norwalk- Estimated Soil Gas Concentration
Undecane, Tridecane, & Pentadecane

DATE DRAWN: 2010 Jun 8	DRAWN BY: HGT	ORIG. CAD: Figure 3 Northeast Area.dwg	SURVEY CODE: FJB
REV. DATE:	REV. #:	PROJECT NUMBER: 20516630	





Scale 1:600

25 0 25 50 75 100 125

(feet)

GORE ™ Surveys for Environmental Site Assessment

W.L. GORE & ASSOCIATES, INC.
100 CHESAPEAKE BOULEVARD
ELKTON, MD, USA 21921
USA
(410) 392-7600

Parsons Corporation
DESC Norwalk- Estimated Soil Gas Concentration
Total Petroleum Hydrocarbons

DATE DRAWN: 2010 Jun 8	DRAWN BY: HGT	ORIG. CAD: Figure 3 Northeast Area.dwg	SURVEY CODE: FJB
REV. DATE:	REV. #:	PROJECT NUMBER: 20516630	

W. L. Gore & Associates, Inc.
100 Chesapeake Blvd. • P.O. Box 10
Elkton, MD 21922-0010
Phone: 410.392.7600 • 800.432.7998
Fax: 410.506.4780

gore.com/surveys

Sales Offices:
Europe: +49.89.4612.2198
San Francisco: 415.648.0438

Email: environmental@wlgore.com

LIT 139.0 08/14/07

APPENDIX B

BORING LOGS

BORING DPT-20

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Silty SAND, light yellowish brown, fine grained sand, dry, no odor or visible staining.	SM		Hand auger to 5'
5		PID 0.0 ppm		Silty SAND, olive brown, fine grained sand, moist, no odor or visible staining.	SM		
10		PID 0.0 ppm		Sandy SILT, light olive brown to olive brown, fine grained sand, moist, no odor or visible staining.	ML		
				SAND to Silty SAND, olive brown, fine grained sand, moist.	SP/SM		
				Sandy SILT, olive brown, fine grained sand, moist, no odor or visible staining.	ML		
15		PID 0.0 ppm		SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-20

PARSONS

Project Name: DESC Holifield Park **Project Number:** 745737 **Logged By:** Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive brown, fine grained sand, moist.	SP		
20		PID 0.0 ppm DPT-20-20		SAND, grades to light gray. .	SP		
				Silty CLAY, very dark grayish brown, moist, slight odor (possible fuel), staining. .	CL		
				Sandy SILT, very dark gray, fine grained sand, moist, slight fuel odor, possible staining. .	ML		
25		PID 90.7 ppm DPT-20-25		Silty SAND, greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.			
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-21

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Silty SAND, light yellowish brown, fine grained sand, dry, no odor or visible staining.	SM		Hand auger to 5′
5		PID 0.0 ppm		Grades to olive brown, damp to moist.	SM		
				Silty SAND, light olive brown, fine grained sand, moist.	SM		
				Sandy SILT, light olive brown to olive brown, fine grained sand, moist.	ML		
10		PID 1420 ppm DPT-21-10		Silty SAND to SAND, fine grained sand, moist, slight fuel odor, no apparent staining.	SM/SP		
				Sandy SILT, very dark gray, moist, slight fuel odor, possible staining.	ML		
15		PID 470 ppm DPT-21-15		SAND, olive brown, fine grained sand odor, no staining.	SP		

BORING DPT-21

PARSONS

Project Name: DESC Holifield Park **Project Number:** 745737 **Logged By:** Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				SAND, olive brown, fine grained sand odor, no staining.	SP		
				Grades to light gray. .	SP		
20		PID 67 ppm DPT-21-20		Silty CLAY, very dark gray, moist, slight fuel odor, apparent staining. .	CL		
				Sandy SILT, olive brown, fine grained sand, moist to wet, very slight fuel odor, no apparent staining. .	ML		
25		PID 33 ppm DPT-21-25		Silty SAND, olive brown, fine grained sand, slight fuel odor, no apparent staining.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-22

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Concrete.			Hand auger to 5′
				Gravel base.			
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
5		PID 0.0 ppm		Becomes olive brown.	ML		
10		PID 0.0 ppm					
				SAND, light olive brown, fine grained sand, moist.	SP		
15		PID 0.0 ppm					

BORING DPT-22

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive, fine grained sand, moist.	SP		
20		PID 800 ppm DPT-22-20					
				Sandy SILT, very dark gray, fine grained sand, wet, slight fuel odor, possible staining. .	ML		
				Silty SAND, dark gray, fine grained sand, moist, strong sewer/fuel odor, apparent staining.	SM		
25		PID 1,400 ppm DPT-22-25		SAND, gray to dark gray, fine to medium grained sand, moist, strong sewer/fuel odor, apparent staining.	SP		
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-23

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Concrete.			Hand auger to 5′
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
				Becomes olive brown.	ML		
5		PID 0.0 ppm		Silty SAND, light olive brown, fine grained sand, moist.	SM		
				Sandy SILT, dark gray to very dark gray, fine grained sand, moist, moderate fuel odor, stained.	ML		
10		PID 1,000 ppm DPT-23-10		Silty SAND, dark gray, moist, moderate fuel odor, stained.	SM		
15		PID 266 ppm DPT-23-15		SAND, greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	SP		

BORING DPT-23

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				.	SP		
				Sandy SILT, dark greenish gray and very dark gray, fine grained sand, moist, slight fuel odor, stained. .	ML		
20		PID 372 ppm DPT-23-20		SAND, gray, fine grained sand, no apparent odor or staining.	SP		
				Silty CLAY, very dark gray, moist, slight fuel odor, stained.	CL		
				Sandy SILT, dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	ML		
				Silty SAND, dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	SM		
25		PID 326 ppm DPT-23-25		SAND, gray, fine grained sand, damp, slight fuel odor, no apparent staining.	SP		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-24

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Concrete.			Hand auger to 5′
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
				Becomes olive brown.	ML		
5		PID 0.0 ppm		SAND, light yellowish brown, fine grained sand, moist.	SP		
				SILT to Sandy SILT, olive brown, fine grained sand, moist.	ML		
10		PID 360 ppm DPT-24-10		Sandy SILT, dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	ML		
				SAND, gray and light yellowish brown, fine grained sand, moist, moderate fuel odor, possible staining.	SP		
				Silty SAND, light olive brown, fine grained sand, moist, strong fuel odor, no apparent staining.	SM		
15		PID 1524 ppm DPT-24-15		Silty SAND, very dark gray to dark gray, fine grained sand, moist, strong fuel odor, stained.	SM		

BORING DPT-24

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
20		PID 1,610 ppm DPT-24-20		Silty SAND, very dark gray to dark gray, fine grained sand, moist, strong fuel odor, stained.	SM		
				Clayey SILT, very dark gray to black, wet, strong fuel odor, stained.	ML		
25		PID 1,629 ppm DPT-24-25		Sandy SILT, greenish gray, fine grained sand, moist, strong fuel odor, stained.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-25

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 9, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 9, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				Concrete.			Hand auger to 5′
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
				Becomes olive brown.	ML		
5		PID 0.0 ppm		Silty SAND, olive brown, fine grained sand, moist.	SM		
				SAND, light olive brown, fine grained sand, moist.	SP		
				Silty CLAY, very dark grayish brown, wet.	CL		
10		PID 451 ppm DPT-25-10		Sandy SILT, very dark grayish brown, fine grained sand, slight fuel odor, no apparent staining.	ML		
				SAND, gray, fine grained sand, moist, moderate fuel odor, possible staining.	SP		
15		PID 1,900 ppm DPT-25-15		Sandy SILT, dark gray to gray, fine grained sand, moist, moderate fuel odor, possible staining.	ML		

BORING DPT-25

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	Blow Counts	Lithologic Description	USCS	Symbol	Notes
				.	ML		
				Silty SAND, gray, fine grained sand, moist, moderate fuel odor, possible staining.	SM		
20		PID 1,900 ppm DPT-25-20		SAND, gray, fine grained sand, moderate fuel odor, possible staining.	SP		
25		PID 285 ppm DPT-25-25		Sandy SILT, dark greenish gray, fine grained sand, slight fuel odor, apparent staining.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-26

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Becomes dark brown.	ML		
				Becomes olive brown.	ML		
5		PID 0.0 ppm		Silty SAND, olive brown, fine grained sand, moist.	SM		
				SAND, yellowish brown and gray, fine grained sand, moist.	SP		
10		PID 1.2 ppm	FID 0.0 ppm	Sandy SILT, olive brown, fine grained sand, moist.	ML		
				SAND, olive brown to light olive brown, fine grained sand, moist.	SP		
15		PID 0.0 ppm	FID 0.0 ppm	SAND, light yellowish brown, fine grained sand, moist.	SP		

BORING DPT-26

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
20		PID 0.0 ppm	FID 0.0 ppm	SAND, light yellowish brown, fine grained sand, moist.	SP		
25		PID 7.4ppm DPT-26-25	FID 24.1ppm	Silty CLAY, very dark gray, moist, slight fuel odor, possible staining.	CL		
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-27

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5'
				Becomes olive brown, damp.	ML		
				Silty SAND, light olive brown, fine grained sand, damp.	SM		
5		PID 0.0 ppm	FID 0.0 ppm	SAND, olive brown, fine grained sand, damp.	SP		
10		PID 0.0 ppm	FID 0.0 ppm	SAND, light yellowish brown, fine grained sand, damp.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
15		PID 0.0 ppm	FID 0.0 ppm	SAND, light yellow, fine grained sand, damp.	SP		

BORING DPT-27

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				SAND, light yellow, fine grained sand, damp.	SP		
20		PID 0.0 ppm	FID 0.0 ppm	SAND, yellowish brown to light gray, fine grained sand, damp to moist.	SP		
				Silty CLAY, dark gray, moist to wet, no odor, apparent staining.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	ML		
25		PID 15.6ppm DPT-27-25	FID 1293 ppm	Silty SAND, dark greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-28

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
5		PID 0.0 ppm	FID 0.0 ppm	Silty SAND, light olive brown, fine grained sand, damp.	SM		
10		PID 0.0 ppm	FID 0.0 ppm	SAND, yellowish brown, fine grained sand with trace medium to coarse grained sand, damp.			
				Sandy SILT, olive brown, fine grained sand, two laminae (3/4" & 1.5"), moist.	ML		
15		PID 0.0 ppm	FID 0.0 ppm	SAND, light gray, fine grained sand, moist.	SP		

BORING DPT-28

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
20		PID 0.0 ppm	FID 0.0 ppm	SAND, light gray, fine grained sand, moist.	SP		
				Silty CLAY, olive gray, wet, moderate fuel odor, no apparent staining.	CL		
				Sandy SILT, olive gray to dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	ML		
25		PID 577ppm DPT-28-25	FID 1858 ppm	SAND, gray, fine grained sand, moist, moderate fuel odor, possible staining.	SP		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-29

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand with trace medium to coarse grained sand, trace gravel, dry, no odor or visible staining.	ML		Hand auger to 5′
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
5		PID 0.0 ppm	FID 0.0 ppm	Silty SAND, olive brown, fine grained sand, moist.	SM		
10		PID 0.0 ppm	FID 0.0 ppm	SAND, light yellowish brown, fine grained sand, damp.	SP		
				SAND, light yellowish brown, fine to coarse grained sand, moist.	SW		
				SAND, light olive gray, fine grained sand, moist.	SP		
15		PID 5.7 ppm	FID 0.9 ppm				

BORING DPT-29

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID	FID Reading	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive gray, fine grained sand, moist.	SP		
				SAND, gray, fine grained sand, moist to damp, moderate fuel odor, possible staining.	SP		
20		PID 15,000 DPT-29-20	FID 4,675	Silty CLAY, very dark gray, wet, moderate fuel odor, possible staining.	CL		
				SILT to Sandy SILT, fine grained sand, wet, moderate fuel odor, stained.	ML		
				Sandy SILT, dark gray to dark greenish gray, fine grained sand, moist, moderate fuel odor, stained.	ML		
25		PID 15,000 DPT-29-25	FID 2,703	SAND, gray , fine grained sand, moderate fuel odor, possible staining.	SP		
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-30

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Asphalt.			Hand auger to 5′
				Sandy SILT, light yellowish brown, fine to coarse grained sand, dry, no odor or visible staining.	ML		
				Sandy SILT, brown, fine grained sand, moist.	ML		
				Becomes olive brown.	ML		
5		PID 0.0	FID 0.0	SAND, dark yellowish brown, fine grained sand, trace silt, moist.	SP		
				SAND, light olive brown, fine grained sand, trace silt, moist.	SP		
10		PID 7.9	FID 0.0	Becomes olive brown.	SP		
				Silty SAND, olive brown, fine grained sand, moist.	SM		
				SAND, light olive brown, fine grained sand, moist.	SP		
				Silty SAND, dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	SM		
15		PID 522 DPT-30-15	FID 2,239	SAND, gray, fine grained sand, moderate fuel odor, possible staining.	SP		

BORING DPT-30

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, gray, fine grained sand, moderate fuel odor, possible staining.	SP		
				Sandy SILT, dark gray, fine grained sand, moist, moderate fuel odor, possible staining.	ML		
20		PID 15,000 DPT-30-20		CLAY, very dark gray, wet, moderate fuel odor, stained.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, moist, moderate fuel odor, stained.	ML		
				Becomes greenish gray.	ML		
25		PID 15,000 DPT-30-25					
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-31

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 14, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 14, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Concrete.			Hand auger to 5′
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
				Becomes olive brown.	ML		
5		PID 0.0		Silty SAND, light olive brown, fine grained sand, moist.	SM		
				SAND, light yellowish brown, fine grained sand, moist.	SP		
10		PID 0.0		SILT, dark grayish brown, moist.	ML		
		PID 626 DPT-31-12		Silty SAND, olive gray, fine grained sand, moist, slight fuel odor, possible staining.	SM		
		PID 13.5					
15		PID 0.0		SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-31

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
20		PID 3.6		SAND, light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
25		PID 5.4		Silty SAND, olive gray, fine grained sand, moist, very slight fuel odor, no apparent staining.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-32

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 14, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 14, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Asphalt.			Hand auger to 5′
				Sandy SILT, dark brown, fine grained sand, moist, no odor or visible staining.	ML		
				Becomes olive brown.	ML		
5		PID 0.0		Silty SAND, light olive brown, fine grained sand, moist.	SM		
				SAND, light yellowish brown, fine grained sand, moist.	SP		
10		PID 0.0		SILT, dark grayish brown, moist.	ML		
		PID 626 DPT-31-12		Silty SAND, olive gray, fine grained sand, moist, slight fuel odor, possible staining.	SM		
		PID 13.5					
15		PID 0.0		SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-32

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
20		PID 3.6		SAND, light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
25		PID 5.4		Silty SAND, olive gray, fine grained sand, moist, very slight fuel odor, no apparent staining.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-33

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Asphalt.			Hand auger to 5′
				Sandy SILT, yellowish brown, fine grained sand, damp, no odor or visible staining.	ML		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
5		PID 0.0		Silty SAND, light olive brown, fine grained sand, moist.	SM		
				SAND, light yellowish brown, fine grained sand, moist.	SP		
10		PID 0.0		Sandy SILT, olive brown, fine grained sand, moist.	ML		
				SAND, light yellowish brown, fine grained sand, moist.	SP		
15		PID 0.0		SAND to Silty SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-33

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
20		PID 0.0		SAND to Silty SAND, light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, dark grayish brown, fine grained sand, moist.	ML		
				Sandy SILT, very dark gray, fine grained sand, moist, moderate fuel odor, stained.	ML		
25		PID 15,000 DPT-33-25	FID 4,675	SAND, greenish gray, fine grained sand, moist, moderate fuel odor, stained.	SP		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-34

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 14, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 14, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5'
				Sandy SILT, dark brown, fine grained sand, moist.	ML		
				Becomes olive brown.	ML		
5		PID 0.0	FID 0.0	SAND, olive brown, fine grained sand, moist.	SP		
				Silty SAND, light olive brown, fine grained sand, moist.	SM		
10		PID 0.0	FID 0.0	Sandy SILT, olive brown to light olive brown, fine grained sand, moist.	ML		
15		PID 0.0		SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-34

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive brown, fine grained sand, moist.	SP		
20		PID 2.5 DPT-34-20	FID 984	Sandy to Silty CLAY, dark gray, fine grained sand, wet, fuel odor, apparent staining.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	ML		
				Silty SAND, dark gray, fine grained sand, wet, slight fuel odor, apparent staining.	SM		
				SAND, light gray, fine grained sand, moist, slight fuel odor, no apparent staining.	SP		
25		PID 1,508 DPT-34-25	FID 4,675	Silty SAND, dark gray, fine grained sand, moist, slight fuel odor, apparent staining.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-35

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 10, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 10, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining, abundant gravel to 4".	ML		Hand auger to 5'
				Silty SAND, light olive brown, fine grained sand, moist.	SM		
5		PID 0.0	FID 0.0	Sandy SILT, light olive brown, fine grained sand, moist.	SM		
10		PID 2.8	FID 0.2	Sandy SILT, olive brown to dark grayish brown, fine grained sand, moist.	ML		
15		PID 77.9	FID 67.5	Silty SAND, olive brown, fine grained sand, moist, no odor or visible staining.	SM		

BORING DPT-35

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Silty SAND, olive brown, fine grained sand, moist, no odor or visible staining.	SM		
				SAND, olive brown, fine grained sand, moist, no odor or visible staining.	SP		
20		PID 252 DPT-35-20	FID 250.7	SAND, dark gray, fine grained sand with trace medium grained sand, moist, slight fuel odor, stained.	SP		
				Silty CLAY, dark gray to greenish gray, moist, slight fuel odor, stained.	CL		
				Silty SAND, very dark gray, fine grained sand, moist, slight fuel odor, possible staining.	SM		
				SAND, gray, fine grained sand with trace medium grained sand, moist, slight fuel odor, no apparent staining.	SP		
25		PID 192 DPT-35-25	FID 1,650	Silty SAND, dark greenish gray, fine grained sand, saturated, slight fuel odor, stained.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-36

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
5		PID 0.0	FID 0.0	Sandy SILT, olive brown, fine grained sand, damp to moist.	ML		
10		PID 0.0	FID 0.0				
				Silty SAND, olive brown, fine grained sand, moist.	SM		
15		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-36

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, very dark gray, fine grained sand, moist, slight fuel odor, stained.	ML		
20		PID 181 DPT-36-20		Silty CLAY, olive green, moist, no discernable odor or staining.	CL		
				Sandy SILT to SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	ML		
25		PID 157 DPT-36-25		SAND, gray, fine grained sand, moist, slight fuel odor, no apparent staining.	SP		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-37

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
5		PID 0.0		Silty SAND, light olive brown, fine grained sand, moist.	SM		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
10		PID 0.0					
				Silty SAND to SAND, olive brown to light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
15		PID 62.8		SAND, grayish brown, fine grained sand, moist, very slight fuel odor, no apparent staining.	SP		

BORING DPT-37

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, grayish brown, fine grained sand, moist, very slight fuel odor, no apparent staining.	SP		
20		PID 352 DPT-37-20		Sandy SILT, dark gray, fine grained sand, moist, slight fuel odor, possible staining.	ML		
				Silty CLAY, very dark gray to greenish gray, moist, slight fuel odor, stained.	CL		
				Sandy SILT to SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	ML		
				Silty SAND, dark greenish gray, fine grained sand, moist, very slight fuel odor, stained.	SM		
				SAND, gray to dark gray, fine grained sand, slight fuel odor, stained.	SP		
25		PID 257 DPT-37-25					
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-38

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Silty SAND, light olive brown, fine grained sand, damp to moist.	SM		
5		PID 0.0		SAND, light yellowish brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
				Becomes dark grayish brown.	ML		
10		PID 0.0		Becomes olive brown.	ML		
				Silty SAND, gray to olive brown, fine grained sand, moist, very slight fuel odor, possible staining.	SM		
15		PID 44 DPT-38-15		SAND, gray, fine grained sand, moist, very slight fuel odor, possible staining.	SP		

BORING DPT-38

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, gray, fine grained sand, moist, very slight fuel odor, possible staining.	SP		
20		PID 750 DPT-38-20	FID 950	Sandy SILT, black to greenish gray, fine grained sand, moist, slight fuel odor, stained.	ML		
				Silty CLAY, very dark gray to dark greenish gray, wet, slight fuel odor, stained.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, slight fuel odor, stained.	ML		
25		PID 750 DPT-38-25	FID 4,675	Silty SAND, dark gray to dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-39

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5'
				Sandy SILT, brown to olive brown, fine grained sand, damp to moist.	ML		
				Silty SAND, light olive brown, fine grained sand, moist.	SM		
5		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
10		PID 0.0	FID 0.0				
				Sandy SILT, dark gray to greenish gray, fine grained sand, moist, moderate fuel odor, stained.	ML		
				SAND, dark greenish gray to dark gray, fine grained sand, slight fuel odor, stained.	SP		
15		PID 16.1 DPT-39-15	FID 16.7				

BORING DPT-39

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, dark greenish gray to dark gray, fine grained sand, slight fuel odor, stained.	SP		
20		PID 0.4 DPT-39-20	FID 183				
				Silty CLAY, very dark gray, moist, slight fuel odor, stained.	CL		
				Sandy SILT, dark olive gray, fine grained sand, moist, slight fuel odor, possible staining.	ML		
				Silty SAND, dark gray to dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	SM		
25		PID 10.5 DPT-39-25					
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

K:\Depts\Dept48\DESC\Norwalk 07-2008\Norwalk\ACO-0006 VES Respirometry Test & Data Gap Inv\Addl Inv @ TFS-water tank-NE corner\06-2010 Field Work\Boring Logs\DPT-39

BORING DPT-40

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry to damp, no odor or visible staining.	ML		Hand auger to 5′
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
5		PID 0.0	FID 0.0	Silty SAND, light olive brown, fine grained sand, damp.	SM		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
				Becomes dark grayish brown.	ML		
10		PID 3.5	FID 0.0	Silty SAND, dark grayish brown, fine grained sand, moist.	SM		
15		PID 2.4	FID 0.0	SAND, light yellowish brown, fine grained sand, damp.	SP		

BORING DPT-40

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light yellowish brown, fine grained sand, damp.	SP		
20		PID 3.1 DPT-40-20	FID 495	Sandy SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	ML		
				Silty CLAY, dark olive gray, moist, very slight fuel odor, possible staining.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	ML		
25		PID 11.1 DPT-40-25	FID 2,235	Silty SAND, dark gray to dark greenish gray, fine grained sand, moist, slight fuel odor, stained.	SM		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-41

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Sandy SILT, olive brown, fine grained sand, damp to moist.	ML		
				Silty SAND, yellowish brown, fine grained sand, moist.	SM		
5		PID 0.0	FID 0.0	SAND, light yellowish brown, fine grained sand, moist.	SP		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
				Becomes dark grayish brown.	ML		
10		PID 0.0	FID 0.0	Becomes olive brown.	ML		
				SAND to Silty SAND, fine grained sand, moist.	SP/SM		
15		PID 0.0	FID 0.0	SAND, light yellowish brown, fine grained sand, damp.	SP		

BORING DPT-41

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light yellowish brown, fine grained sand, damp.	SP		
20		PID 0.0 DPT-41-20	FID 0.0				
				Sandy SILT, very dark gray, moist, very slight fuel odor, no apparent staining.	ML		
				Silty CLAY, dark gray, moist, very slight fuel odor.	CL		
				Sandy SILT, dark greenish gray, fine grained sand, moist, slight fuel odor, apparent staining.	ML		
				Silty SAND to SAND, greenish gray to dark greenish gray, fine grained sand, moist, slight fuel odor, possible staining.	SM/SP		
25		PID 10.3 DPT-41-25	FID 306				
				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
30							
35							

BORING DPT-42

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, light yellowish brown, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Silty SAND, light yellowish brown to light olive brown, fine grained sand, moist, no odor or visible staining.	SM		
5		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, moist.	SP		
				Silty SAND, olive brown, fine grained sand, moist.	SM		
10		PID 0.0	FID 0.0	Sandy SILT, dark grayish brown, fine grained sand, moist.	ML		
				SILT to Sandy SILT, olive brown, fine grained sand, moist.	ML		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
15		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, moist.	SP		

BORING DPT-42

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light olive brown, fine grained sand, moist.	SP		
20		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, moist.	SP		
25		PID 0.0	FID 0.0	SILT, olive brown, moist.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-43

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 11, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 11, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
5		PID 0.0	FID 0.0	Silty SAND, yellowish brown, fine grained sand, dry to damp, no odor or visible staining.	SM		Hand auger to 5'
				SAND, olive brown, fine grained sand, moist.	SP		
				Silty SAND, olive brown, fine grained sand, moist.	SM		
				Sandy SILT, olive brown, fine grained sand, moist.	ML		
				Silty CLAY, olive brown, wet.	CL		
10		PID 0.0	FID 0.0	Sandy SILT, olive brown, fine grained sand, moist.	ML		
15		PID 0.0	FID 0.0	Silty SAND, olive brown, fine grained sand, moist.	SM		

BORING DPT-43

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Silty SAND, olive brown, fine grained sand, moist.	SM		
20		PID 0.0	FID 0.0	SAND, light olive brown, fine grained sand, damp.	SP		
				SAND, gray, fine to coarse grained sand, damp.	SW		
25		PID 0.0	FID 0.0	SILT to Sandy SILT, olive brown, fine grained sand, moist.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-44

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 14, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 14, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				Sandy SILT, fine grained sand, dry, no odor or visible staining.	ML		Hand auger to 5′
				Silty SAND, light olive brown, fine grained sand, damp.	SM		
5		PID 0.0	FID 0.0	SAND, light olive brown to light yellowish brown, fine grained sand, damp.	SP		
10		PID 0.0	FID 0.0				
				SAND, light brownish gray to light yellowish brown, fine grained sand, moist to damp.	SP		
15		PID 0.0					

BORING DPT-44

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
20		PID 0.0		SAND, light brownish gray to light yellowish brown, fine grained sand, moist to damp.	SP		
				SAND, light brownish gray, fine to medium grained sand, trace coarse grained sand, damp.	SP		
25		PID 0.0		SILT to Sandy SILT, grayish brown, fine grained sand, moist.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

BORING DPT-45

PARSONS

Project Name:	DFSP - Norwalk	**Date Started:**	June 14, 2010
Project Number:	746441 **Logged By:** Q Kinnebrew	**Date Complete:**	June 14, 2010

Borehole Location:	Not Available	**Elevation and Datum:**	Not Available
Drilling Contractor:	Vironex	**Sampling Method:**	Glass Jars and Acetate Sleeves
Drilling Equipment:	Geoprobe	**Borehole Diameter:**	2-inch
Drilling Method:	Direct Push	**Groundwater Depth:**	NA
Hammer Type/Weight:	NA	**Total Depth:**	25 feet bgs
Driller:	Darrell Lewis	**Borehole Abandonment:**	Granulated Bentonite Pellets, Hydrated

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
							Hand auger to 5′
				Sandy SILT, olive brown, fine grained sand, damp, no odor or visible staining.	ML		
				Silty SAND, olive brown, fine grained sand, moist.	SM		
5		PID 0.0		SAND, light olive brown, fine grained sand, damp.	SP		
				SAND, light brownish gray, fine grained sand, damp.	SP		
10		PID 0.0		SAND, light yellowish brown, fine grained sand, damp.	SP		
15		PID 0.0					

BORING DPT-45

PARSONS

Project Name: DESC Holifield Park

Project Number: 746441

Logged By: Q. Kinnebrew

Depth (feet)	Sample	Sample Number & PID (ppm)	FID (ppm)	Lithologic Description	USCS	Symbol	Notes
				SAND, light yellowish brown, fine grained sand, damp.	SP		
				SAND, light gray, fine grained sand, trace medium grained sand, damp.	SP		
20		PID 0.0		SAND, light gray, fine to coarse grained sand, damp.	SP		
25		PID 0.0		SILT, olive brown, moist.	ML		
30				End of boring at 25 feet bgs. Grouted to surface with bentonite pellets and hydrated.			
35							

APPENDIX C

LABORATORY REPORTS

Calscience
Environmental
Laboratories, Inc.

June 21, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-06-1049**
Client Reference: DFSP NORWALK / 746441

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/11/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ranjit K. F. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-20	**10-06-1049-1-A**	**06/11/10 07:56**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 18:24**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	8.8	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	95	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-25	**10-06-1049-2-A**	**06/11/10 08:06**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 18:39**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	14	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	94	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-15	**10-06-1049-3-A**	**06/11/10 08:37**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 18:55**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	92	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-20	**10-06-1049-4-A**	**06/11/10 08:48**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 19:11**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	440	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	98	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-25	**10-06-1049-5-A**	**06/11/10 08:58**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 19:26**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-15	**10-06-1049-6-A**	**06/11/10 09:36**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 19:42**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-20	**10-06-1049-7-A**	**06/11/10 09:48**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 19:57**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-25	**10-06-1049-8-A**	**06/11/10 10:00**	**Solid**	**GC 46**	**06/16/10**	**06/17/10 10:00**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	11000	120	25		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-39-20	**10-06-1049-10-A**	**06/11/10 11:27**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 20:28**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	11	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-20	**10-06-1049-12-A**	**06/11/10 12:21**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 20:43**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-25	**10-06-1049-13-A**	**06/11/10 12:32**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 21:14**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-41-25	**10-06-1049-14-A**	**06/11/10 13:20**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 21:30**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-295-42**	**N/A**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 17:07**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441 Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-20	**10-06-1049-1-A**	**06/11/10 07:56**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 04:05**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.1	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-25	**10-06-1049-2-A**	**06/11/10 08:06**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 04:39**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.90	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-15	**10-06-1049-3-A**	**06/11/10 08:37**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 05:13**	**100617B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-20	**10-06-1049-4-A**	**06/11/10 08:48**	**Solid**	**GC 11**	**06/17/10**	**06/18/10 14:14**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	520	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-25	**10-06-1049-5-A**	**06/11/10 08:58**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 06:21**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.0	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-15	**10-06-1049-6-A**	**06/11/10 09:36**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 06:55**	**100617B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-20	**10-06-1049-7-A**	**06/11/10 09:48**	**Solid**	**GC 24**	**06/17/10**	**06/18/10 07:28**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.53	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-25	**10-06-1049-8-A**	**06/11/10 10:00**	**Solid**	**GC 11**	**06/17/10**	**06/18/10 15:57**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	13000	400	800		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	119	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-39-20	**10-06-1049-10-A**	**06/11/10 11:27**	**Solid**	**GC 24**	**06/18/10**	**06/18/10 14:50**	**100618B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.7	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-20	**10-06-1049-12-A**	**06/11/10 12:21**	**Solid**	**GC 24**	**06/18/10**	**06/18/10 16:32**	**100618B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-25	**10-06-1049-13-A**	**06/11/10 12:32**	**Solid**	**GC 24**	**06/18/10**	**06/18/10 15:24**	**100618B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.67	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-41-25	**10-06-1049-14-A**	**06/11/10 13:20**	**Solid**	**GC 24**	**06/18/10**	**06/18/10 15:58**	**100618B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,718**	**N/A**	**Solid**	**GC 24**	**06/17/10**	**06/17/10 14:33**	**100617B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	104	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received: 06/11/10
100 West Walnut Street	Work Order No: 10-06-1049
Pasadena, CA 91124-0002	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,722**	**N/A**	**Solid**	**GC 11**	**06/17/10**	**06/18/10 11:25**	**100617B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,723**	**N/A**	**Solid**	**GC 24**	**06/18/10**	**06/18/10 10:51**	**100618B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	105	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-20	**10-06-1049-1-A**	**06/11/10 07:56**	**Solid**	**GC/MS PP**	**06/16/10**	**06/17/10 01:09**	**100616L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	12	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.61	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.40	5.0	0.17	1	J	n-Propylbenzene	0.33	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	0.51	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	0.26	5.0	0.20	1	J
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	105	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-36-25	**10-06-1049-2-A**	**06/11/10 08:06**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 17:49**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	9.6	5.0	0.14	1		Naphthalene	27	50	3.6	1	J
sec-Butylbenzene	4.9	5.0	0.17	1	J	n-Propylbenzene	3.7	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	78	63-141		1,2-Dichloroethane-d4	75	62-146	
Toluene-d8	94	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 3 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-15	**10-06-1049-3-A**	**06/11/10 08:37**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 18:16**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.64	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.32	5.0	0.17	1	J	n-Propylbenzene	0.34	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	0.28	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	79	63-141		1,2-Dichloroethane-d4	77	62-146	
Toluene-d8	93	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-20	**10-06-1049-4-A**	**06/11/10 08:48**	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10 15:46**	**100618L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Reporting limit is elevated due to high levels of non-target hydrocarbons.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	38	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	250	500	14	100	J	Naphthalene	ND	5000	360	100	
sec-Butylbenzene	110	500	17	100	J	n-Propylbenzene	31	500	17	100	J
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-20	**10-06-1049-4-A**	**06/11/10 08:48**	**S**	**GC/MS PP**	**06/18/10**	**06/18/10 15:46**	**100618L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Reporting limit is elevated due to high levels of non-target hydrocarbons.

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	63-141		1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	104	60-132	

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 6 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-37-25	**10-06-1049-5-A**	**06/11/10 08:58**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 19:10**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	6.5	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	0.31	5.0	0.20	1	J	t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.72	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	1.3	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	2.0	5.0	0.14	1	J	Naphthalene	7.6	50	3.6	1	J
sec-Butylbenzene	1.2	5.0	0.17	1	J	n-Propylbenzene	1.1	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	9.3	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	0.43	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	0.38	5.0	0.20	1	J
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	83	63-141		1,2-Dichloroethane-d4	83	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-15	**10-06-1049-6-A**	**06/11/10 09:36**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 19:37**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	5.6	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	63-141		1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	94	80-120		1,4-Bromofluorobenzene	96	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 8 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-20	**10-06-1049-7-A**	**06/11/10 09:48**	**Solid**	**GC/MS PP**	**06/16/10**	**06/17/10 05:12**	**100616L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	12	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.32	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-38-25	**10-06-1049-8-A**	**06/11/10 10:00**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 20:04**	**100617L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	25000	970	200		c-1,3-Dichloropropene	ND	1000	140	200	
Benzene	45	1000	40	200	J	t-1,3-Dichloropropene	ND	1000	41	200	
Bromobenzene	ND	1000	46	200		Ethylbenzene	1600	1000	33	200	
Bromochloromethane	ND	1000	160	200		2-Hexanone	ND	10000	940	200	
Bromodichloromethane	ND	1000	120	200		Isopropylbenzene	2000	1000	440	200	
Bromoform	ND	1000	150	200		p-Isopropyltoluene	7400	1000	35	200	
Bromomethane	ND	5000	650	200		Methylene Chloride	ND	10000	470	200	
2-Butanone	ND	10000	640	200		4-Methyl-2-Pentanone	ND	10000	310	200	
n-Butylbenzene	14000	1000	29	200		Naphthalene	11000	10000	730	200	
sec-Butylbenzene	5200	1000	34	200		n-Propylbenzene	5500	1000	35	200	
tert-Butylbenzene	ND	1000	170	200		Styrene	ND	1000	250	200	
Carbon Disulfide	ND	10000	480	200		1,1,1,2-Tetrachloroethane	ND	1000	48	200	
Carbon Tetrachloride	ND	1000	240	200		1,1,2,2-Tetrachloroethane	ND	1000	86	200	
Chlorobenzene	ND	1000	48	200		Tetrachloroethene	ND	1000	72	200	
Chloroethane	ND	1000	520	200		Toluene	320	1000	59	200	J
Chloroform	ND	1000	120	200		1,2,3-Trichlorobenzene	ND	2000	66	200	
Chloromethane	ND	5000	610	200		1,2,4-Trichlorobenzene	ND	1000	160	200	
2-Chlorotoluene	ND	1000	40	200		1,1,1-Trichloroethane	ND	1000	250	200	
4-Chlorotoluene	ND	1000	59	200		1,1,2-Trichloroethane	ND	1000	88	200	
Dibromochloromethane	ND	1000	83	200		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	160	200	
1,2-Dibromo-3-Chloropropane	ND	2000	510	200		Trichloroethene	ND	1000	96	200	
1,2-Dibromoethane	ND	1000	50	200		1,2,3-Trichloropropane	ND	1000	120	200	
Dibromomethane	ND	1000	250	200		1,2,4-Trimethylbenzene	38000	1000	31	200	
1,2-Dichlorobenzene	ND	1000	52	200		Trichlorofluoromethane	ND	10000	200	200	
1,3-Dichlorobenzene	ND	1000	52	200		1,3,5-Trimethylbenzene	12000	1000	440	200	
1,4-Dichlorobenzene	ND	1000	42	200		Vinyl Acetate	ND	10000	2100	200	
Dichlorodifluoromethane	ND	1000	600	200		Vinyl Chloride	ND	1000	190	200	
1,1-Dichloroethane	ND	1000	52	200		p/m-Xylene	6700	1000	65	200	
1,2-Dichloroethane	ND	1000	52	200		o-Xylene	4000	1000	41	200	
1,1-Dichloroethene	ND	1000	57	200		Methyl-t-Butyl Ether (MTBE)	ND	1000	49	200	
c-1,2-Dichloroethene	ND	1000	170	200		Tert-Butyl Alcohol (TBA)	ND	10000	4400	200	
t-1,2-Dichloroethene	ND	1000	140	200		Diisopropyl Ether (DIPE)	ND	2000	68	200	
1,2-Dichloropropane	ND	1000	72	200		Ethyl-t-Butyl Ether (ETBE)	ND	2000	57	200	
1,3-Dichloropropane	ND	1000	43	200		Tert-Amyl-Methyl Ether (TAME)	ND	2000	51	200	
2,2-Dichloropropane	ND	1000	110	200		Ethanol	ND	50000	20000	200	
1,1-Dichloropropene	ND	1000	97	200							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	63-141		1,2-Dichloroethane-d4	84	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	108	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/11/10
100 West Walnut Street	Work Order No:	10-06-1049
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 10 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-39-20	**10-06-1049-10-A**	**06/11/10 11:27**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 20:58**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	16	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.24	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	3.0	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	5.8	5.0	0.14	1		Naphthalene	6.2	50	3.6	1	J
sec-Butylbenzene	2.1	5.0	0.17	1	J	n-Propylbenzene	1.2	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	13	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	3.4	5.0	2.2	1	J
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	1.1	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	0.62	5.0	0.20	1	J
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	63-141		1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 11 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-20	**10-06-1049-12-A**	**06/11/10 12:21**	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10 13:32**	**100618L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	11	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.53	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.35	5.0	0.17	1	J	n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 12 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-40-25	**10-06-1049-13-A**	**06/11/10 12:32**	**Solid**	**GC/MS PP**	**06/16/10**	**06/17/10 07:27**	**100616L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	6.8	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.39	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.18	5.0	0.17	1	J	n-Propylbenzene	0.26	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	1.0	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	63-141		1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 13 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-41-25	**10-06-1049-14-A**	**06/11/10 13:20**	**Solid**	**GC/MS PP**	**06/16/10**	**06/17/10 07:54**	**100616L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	15	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.33	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	0.25	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.58	5.0	0.14	1	J	Naphthalene	5.4	50	3.6	1	J
sec-Butylbenzene	0.30	5.0	0.17	1	J	n-Propylbenzene	0.37	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	3.1	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,382**	**N/A**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 23:48**	**100616L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,386**	**N/A**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 12:24**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/11/10
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,399**	**N/A**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 11:57**	**100617L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	63-141		1,2-Dichloroethane-d4	98	62-146	
Toluene-d8	95	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	06/11/10
Work Order No:	10-06-1049
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,402**	**N/A**	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10 13:05**	**100618L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	111	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	91	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,410**	**N/A**	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10 12:37**	**100618L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	99	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	92	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-36-25	**Solid**	**GC 46**	**06/16/10**	**06/16/10**	**100616S18**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	90	86	64-130	5	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0983-1	**Solid**	**GC 24**	**06/17/10**	**06/18/10**	**100617S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	78	84	48-114	8	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-40-20	**Solid**	**GC 24**	**06/18/10**	**06/18/10**	**100618S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	114	111	48-114	2	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-36-20	**Solid**	**GC/MS PP**	**06/16/10**	**06/17/10**	**100616S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	96	61-127	2	0-20	
Carbon Tetrachloride	87	84	51-135	3	0-29	
Chlorobenzene	95	97	57-123	2	0-20	
1,2-Dibromoethane	95	95	64-124	0	0-20	
1,2-Dichlorobenzene	83	85	35-131	2	0-25	
1,2-Dichloroethane	97	90	80-120	7	0-20	
1,1-Dichloroethene	109	98	47-143	11	0-25	
Ethylbenzene	103	102	57-129	1	0-22	
Toluene	97	97	63-123	1	0-20	
Trichloroethene	101	104	44-158	3	0-20	
Vinyl Chloride	98	91	49-139	7	0-47	
Methyl-t-Butyl Ether (MTBE)	97	91	57-123	7	0-21	
Tert-Butyl Alcohol (TBA)	145	124	30-168	16	0-34	
Diisopropyl Ether (DIPE)	100	93	57-129	7	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	95	55-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	94	58-124	1	0-20	
Ethanol	125	100	17-167	23	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1408-1	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10**	**100617S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	61-127	0	0-20	
Carbon Tetrachloride	88	93	51-135	6	0-29	
Chlorobenzene	97	100	57-123	3	0-20	
1,2-Dibromoethane	88	90	64-124	2	0-20	
1,2-Dichlorobenzene	90	94	35-131	4	0-25	
1,2-Dichloroethane	88	86	80-120	2	0-20	
1,1-Dichloroethene	97	99	47-143	2	0-25	
Ethylbenzene	100	104	57-129	4	0-22	
Toluene	96	98	63-123	1	0-20	
Trichloroethene	102	103	44-158	1	0-20	
Vinyl Chloride	93	90	49-139	4	0-47	
Methyl-t-Butyl Ether (MTBE)	88	84	57-123	5	0-21	
Tert-Butyl Alcohol (TBA)	121	140	30-168	15	0-34	
Diisopropyl Ether (DIPE)	93	90	57-129	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	93	90	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	87	58-124	2	0-20	
Ethanol	92	100	17-167	9	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/11/10
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-40-20	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10**	**100618S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	98	61-127	7	0-20	
Carbon Tetrachloride	98	97	51-135	1	0-29	
Chlorobenzene	87	98	57-123	12	0-20	
1,2-Dibromoethane	75	95	64-124	24	0-20	4
1,2-Dichlorobenzene	76	94	35-131	21	0-25	
1,2-Dichloroethane	76	94	80-120	22	0-20	3,4
1,1-Dichloroethene	107	100	47-143	7	0-25	
Ethylbenzene	96	101	57-129	5	0-22	
Toluene	93	100	63-123	8	0-20	
Trichloroethene	99	98	44-158	0	0-20	
Vinyl Chloride	103	96	49-139	7	0-47	
Methyl-t-Butyl Ether (MTBE)	75	92	57-123	20	0-21	
Tert-Butyl Alcohol (TBA)	114	155	30-168	31	0-34	
Diisopropyl Ether (DIPE)	82	97	57-129	17	0-20	
Ethyl-t-Butyl Ether (ETBE)	78	96	55-127	20	0-20	
Tert-Amyl-Methyl Ether (TAME)	73	92	58-124	23	0-20	4
Ethanol	104	85	17-167	21	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-1049
Preparation:	EPA 3550B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-295-42	**Solid**	**GC 46**	**06/16/10**	**06/16/10**	**100616B18**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	112	111	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-1049
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,722	**Solid**	**GC 11**	**06/17/10**	**06/18/10**	**100617B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	105	70-124	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-1049
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,718	**Solid**	**GC 24**	**06/17/10**	**06/17/10**	**100617B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99	103	70-124	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-1049
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,723	**Solid**	**GC 24**	**06/18/10**	**06/18/10**	**100618B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	105	70-124	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,382	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10**	**100616L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	95	78-120	71-127	1	0-20	
Carbon Tetrachloride	85	87	49-139	34-154	3	0-20	
Chlorobenzene	96	98	79-120	72-127	2	0-20	
1,2-Dibromoethane	95	99	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	97	92	75-120	68-128	5	0-20	
1,2-Dichloroethane	94	92	80-120	73-127	2	0-20	
1,1-Dichloroethene	97	98	74-122	66-130	1	0-20	
Ethylbenzene	98	100	76-120	69-127	2	0-20	
Toluene	98	97	77-120	70-127	1	0-20	
Trichloroethene	99	98	80-120	73-127	1	0-20	
Vinyl Chloride	85	86	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	99	97	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	110	111	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	98	96	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	102	100	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	95	75-120	68-128	0	0-20	
Ethanol	86	83	56-140	42-154	4	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,386	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10**	**100617L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	94	78-120	71-127	0	0-20	
Carbon Tetrachloride	93	91	49-139	34-154	3	0-20	
Chlorobenzene	97	97	79-120	72-127	0	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	97	97	75-120	68-128	0	0-20	
1,2-Dichloroethane	94	89	80-120	73-127	5	0-20	
1,1-Dichloroethene	101	96	74-122	66-130	4	0-20	
Ethylbenzene	102	101	76-120	69-127	2	0-20	
Toluene	99	97	77-120	70-127	3	0-20	
Trichloroethene	100	97	80-120	73-127	3	0-20	
Vinyl Chloride	93	91	68-122	59-131	3	0-20	
Methyl-t-Butyl Ether (MTBE)	97	92	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	109	99	68-122	59-131	10	0-20	
Diisopropyl Ether (DIPE)	99	96	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	95	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	94	75-120	68-128	1	0-20	
Ethanol	84	81	56-140	42-154	3	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,399	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10**	**100617L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	94	78-120	71-127	0	0-20	
Carbon Tetrachloride	93	91	49-139	34-154	3	0-20	
Chlorobenzene	97	97	79-120	72-127	0	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	97	97	75-120	68-128	0	0-20	
1,2-Dichloroethane	94	89	80-120	73-127	5	0-20	
1,1-Dichloroethene	101	96	74-122	66-130	4	0-20	
Ethylbenzene	102	101	76-120	69-127	2	0-20	
Toluene	99	97	77-120	70-127	3	0-20	
Trichloroethene	100	97	80-120	73-127	3	0-20	
Vinyl Chloride	93	91	68-122	59-131	3	0-20	
Methyl-t-Butyl Ether (MTBE)	97	92	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	109	99	68-122	59-131	10	0-20	
Diisopropyl Ether (DIPE)	99	96	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	95	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	94	75-120	68-128	1	0-20	
Ethanol	84	81	56-140	42-154	3	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,402	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10**	**100618L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	96	78-120	71-127	3	0-20	
Carbon Tetrachloride	105	106	49-139	34-154	1	0-20	
Chlorobenzene	98	98	79-120	72-127	1	0-20	
1,2-Dibromoethane	101	101	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	98	97	75-120	68-128	0	0-20	
1,2-Dichloroethane	99	99	80-120	73-127	0	0-20	
1,1-Dichloroethene	105	101	74-122	66-130	4	0-20	
Ethylbenzene	102	102	76-120	69-127	0	0-20	
Toluene	104	100	77-120	70-127	4	0-20	
Trichloroethene	99	99	80-120	73-127	0	0-20	
Vinyl Chloride	103	103	68-122	59-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	98	96	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	104	108	68-122	59-131	3	0-20	
Diisopropyl Ether (DIPE)	103	100	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	99	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	96	75-120	68-128	1	0-20	
Ethanol	79	75	56-140	42-154	5	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1049
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,410	**Solid**	**GC/MS PP**	**06/18/10**	**06/18/10**	**100618L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	96	78-120	71-127	3	0-20	
Carbon Tetrachloride	105	106	49-139	34-154	1	0-20	
Chlorobenzene	98	98	79-120	72-127	1	0-20	
1,2-Dibromoethane	101	101	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	98	97	75-120	68-128	0	0-20	
1,2-Dichloroethane	99	99	80-120	73-127	0	0-20	
1,1-Dichloroethene	105	101	74-122	66-130	4	0-20	
Ethylbenzene	102	102	76-120	69-127	0	0-20	
Toluene	104	100	77-120	70-127	4	0-20	
Trichloroethene	99	99	80-120	73-127	0	0-20	
Vinyl Chloride	103	103	68-122	59-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	98	96	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	104	108	68-122	59-131	3	0-20	
Diisopropyl Ether (DIPE)	103	100	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	99	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	96	75-120	68-128	1	0-20	
Ethanol	79	75	56-140	42-154	5	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-1049

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

Date June 11, 2010

Page 1 of 2

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626-665-8336 E-MAIL:

CLIENT PROJECT NAME / NUMBER: DFSP - Norwalk / 7464441

PROJECT CONTACT: Mary Lucas

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE

P.O. NO.:

LAB USE ONLY: 06-1049

COOLER RECEIPT TEMP= °C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or ( )	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	Hold		
1	DPT-36-20		06.11.10	0756	Soil	1	X		X		X													
2	DPT-36-25			0806		1	X		X		X													
3	DPT-37-15			0837		1	X		X		X													
4	DPT-37-20			0848		1	X		X		X													
5	DPT-37-25			0858		1	X		X		X													
6	DPT-38-15			0936		1	X		X		X													
7	DPT-38-20			0948		1	X		X		X													
8	DPT-38-25			1000		1	X		X		X													
9	DPT-39-15			1117																		X		
10	DPT-39-20			1127		1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation)	Date: 06.11.10	Time: 1409
Relinquished by: (Signature)	Received by: (Signature/Affiliation) WCBath CEL	Date: 6/11/10	Time: 1500
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date June 11, 2010

Page 2 of 2

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626-665-8336 E-MAIL:

CLIENT PROJECT NAME / NUMBER: DFSP - Norwalk / 746441

P.O. NO.:

PROJECT CONTACT: Mary Lucas

LAB USE ONLY: 06-1049

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE

COOLER RECEIPT TEMP= °C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or ( )	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	Hold		
11	DPT-39-25		06.11.10	1136	soil	1																X		
12	DPT-40-20			1221		1	X		X		X													
13	DPT-40-25			1232		1	X		X		X													
14	DPT-41-25			1320		1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation)	Date: 06.11.10	Time: 1409
Relinquished by: (Signature)	Received by: (Signature/Affiliation) Weck Labs CA	Date: 6/11/10	Time: 1500
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-1049

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSON DATE: 06/11/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.1 °C + 0.5 °C (CF) = 3.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: VG

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: VG

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: SP

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** SP

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** VG

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** SP

Calscience
Environmental
Laboratories, Inc.

June 18, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-06-0924**
Client Reference: DFSP NORWALK / 746441

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/10/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ranjit K. F. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-27-25	**10-06-0924-2-A**	**06/10/10 09:10**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 01:20**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	90	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-28-25	**10-06-0924-3-A**	**06/10/10 10:25**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 01:38**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	53	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	96	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-29-20	**10-06-0924-4-A**	**06/10/10 11:14**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 01:56**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	580	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	95	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-29-25	**10-06-0924-5-A**	**06/10/10 11:26**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 02:14**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	520	5.0	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	94	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-15	**10-06-0924-6-A**	**06/10/10 12:50**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 02:32**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1300	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-20	**10-06-0924-7-A**	**06/10/10 12:58**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 12:26**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	2900	40	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-25	**10-06-0924-8-A**	**06/10/10 13:08**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 03:09**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	8.0	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-33-25	**10-06-0924-9-A**	**06/10/10 14:14**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 12:44**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	2200	30	6		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-15	**10-06-0924-10-A**	**06/10/10 14:57**	**Solid**	**GC 27**	**06/11/10**	**06/12/10 03:44**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-20	**10-06-0924-11-A**	**06/10/10 15:06**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 13:02**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	14000	150	30		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-25	**10-06-0924-12-A**	**06/10/10 15:16**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 13:20**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	2000	30	6		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-295-41**	**N/A**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 23:51**	**100611B14**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-27-25	**10-06-0924-2-A**	**06/10/10 09:10**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 09:35**	**100614B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	42-126	

DPT-28-25	**10-06-0924-3-A**	**06/10/10 10:25**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 12:51**	**100614B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	17	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	42-126	

DPT-29-20	**10-06-0924-4-A**	**06/10/10 11:14**	**Solid**	**GC 22**	**06/17/10**	**06/17/10 15:33**	**100617B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1600	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-29-25	**10-06-0924-5-A**	**06/10/10 11:26**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 17:24**	**100614B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	770	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	125	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-15	**10-06-0924-6-A**	**06/10/10 12:50**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 18:30**	**100614B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	840	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	139	42-126	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-20	**10-06-0924-7-A**	**06/10/10 12:58**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 19:02**	**100614B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	770	50	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-25	**10-06-0924-8-A**	**06/10/10 13:08**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 19:35**	**100614B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-33-25	**10-06-0924-9-A**	**06/10/10 14:14**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 19:35**	**100614B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-15	**10-06-0924-10-A**	**06/10/10 14:57**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 13:24**	**100614B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.57	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-20	**10-06-0924-11-A**	**06/10/10 15:06**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 11:46**	**100614B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	6.4	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-25	**10-06-0924-12-A**	**06/10/10 15:16**	**Solid**	**GC 22**	**06/17/10**	**06/17/10 16:06**	**100617B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1400	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,710**	**N/A**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 07:24**	**100614B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,714**	**N/A**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 04:07**	**100614B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,717**	**N/A**	**Solid**	**GC 22**	**06/17/10**	**06/17/10 13:23**	**100617B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	84	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-27-25	**10-06-0924-2-A**	**06/10/10 09:10**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 17:57**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	12	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	63-141		1,2-Dichloroethane-d4	111	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-28-25	**10-06-0924-3-A**	**06/10/10 10:25**	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10 21:06**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	140	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	19	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	110	500	14	100	J	Naphthalene	ND	5000	360	100	
sec-Butylbenzene	64	500	17	100	J	n-Propylbenzene	97	500	17	100	J
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	33	500	15	100	J
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	108	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	06/10/10
Work Order No:	10-06-0924
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-29-20	**10-06-0924-4-A**	**06/10/10 11:14**	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10 21:36**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	1400	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	1200	5000	470	100	J
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	1200	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	2200	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	2600	500	14	100		Naphthalene	4700	5000	360	100	J
sec-Butylbenzene	1300	500	17	100		n-Propylbenzene	2200	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	8900	500	43	100	
Chlorobenzene	32	500	24	100	J	Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	220	1000	33	100	J
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	310	500	20	100	J	1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	110	500	29	100	J	1,1,2-Trichloroethane	460	500	44	100	J
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	770	1000	260	100	J	Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	5900	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	6400	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	1100	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	490	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	34	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	116	80-120		1,4-Bromofluorobenzene	108	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	06/10/10
Work Order No:	10-06-0924
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-29-25	**10-06-0924-5-A**	**06/10/10 11:26**	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10 22:07**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	480	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	280	500	220	100	J
Bromoform	ND	500	76	100		p-Isopropyltoluene	440	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	480	500	14	100	J	Naphthalene	ND	5000	360	100	
sec-Butylbenzene	280	500	17	100	J	n-Propylbenzene	400	500	17	100	J
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	2400	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	46	1000	33	100	J
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	32	500	20	100	J	1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	230	500	44	100	J
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	29	500	25	100	J	1,2,3-Trichloropropane	1200	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	220	500	15	100	J
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	78	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	106	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/10/10
100 West Walnut Street	Work Order No:	10-06-0924
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP NORWALK / 746441		Page 5 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-15	**10-06-0924-6-A**	**06/10/10 12:50**	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10 22:38**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	280	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	790	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	640	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	2400	500	14	100		Naphthalene	1100	5000	360	100	J
sec-Butylbenzene	1400	500	17	100		n-Propylbenzene	1500	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	8100	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	130	1000	33	100	J
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	72	500	20	100	J	1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	170	500	44	100	J
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	990	1000	260	100	J	Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	4300	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	97	500	15	100	J
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	107	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-20	**10-06-0924-7-A**	**06/10/10 12:58**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 18:24**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	320	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	640	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	1200	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	870	500	17	100		n-Propylbenzene	1000	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	111	62-146	
Toluene-d8	113	80-120		1,4-Bromofluorobenzene	116	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/10/10
100 West Walnut Street		Work Order No:	10-06-0924
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 7 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-30-25	**10-06-0924-8-A**	**06/10/10 13:08**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 18:52**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	21	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	4.4	50	3.2	1	J	4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	14	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	99	62-146	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	111	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-33-25	**10-06-0924-9-A**	**06/10/10 14:14**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 19:19**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	650	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	900	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	870	500	17	100		n-Propylbenzene	830	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	19	500	15	100	J
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	63-141		1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	109	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-15	**10-06-0924-10-A**	**06/10/10 14:57**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 19:46**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	63-141		1,2-Dichloroethane-d4	99	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/10/10
100 West Walnut Street		Work Order No:	10-06-0924
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 10 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-20	**10-06-0924-11-A**	**06/10/10 15:06**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 20:13**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	17	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	0.18	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.52	5.0	0.14	1	J	Naphthalene	5.4	50	3.6	1	J
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	1.2	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	63-141		1,2-Dichloroethane-d4	91	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/10/10
100 West Walnut Street		Work Order No:	10-06-0924
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 11 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-35-25	**10-06-0924-12-A**	**06/10/10 15:16**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 20:40**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	20	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	140	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	280	500	14	100	J	Naphthalene	ND	5000	360	100	
sec-Butylbenzene	110	500	17	100	J	n-Propylbenzene	63	500	17	100	J
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	760	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	59	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,374**	**N/A**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 13:27**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	106	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/10/10
100 West Walnut Street		Work Order No:	10-06-0924
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 13 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,383**	**N/A**	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10 16:36**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,387**	**N/A**	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10 14:23**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	91	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-27-25	**Solid**	**GC 27**	**06/11/10**	**06/12/10**	**100611S14**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	91	96	64-130	5	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-27-25	**Solid**	**GC 22**	**06/14/10**	**06/15/10**	**100614S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	100	48-114	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0775-32	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10**	**100616S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	61-127	2	0-20	
Carbon Tetrachloride	97	94	51-135	3	0-29	
Chlorobenzene	101	99	57-123	2	0-20	
1,2-Dibromoethane	100	101	64-124	2	0-20	
1,2-Dichlorobenzene	100	99	35-131	1	0-25	
1,2-Dichloroethane	102	98	80-120	3	0-20	
1,1-Dichloroethene	107	104	47-143	2	0-25	
Ethylbenzene	107	107	57-129	0	0-22	
Toluene	103	105	63-123	2	0-20	
Trichloroethene	109	107	44-158	2	0-20	
Vinyl Chloride	107	101	49-139	6	0-47	
Methyl-t-Butyl Ether (MTBE)	95	95	57-123	1	0-21	
Tert-Butyl Alcohol (TBA)	136	144	30-168	6	0-34	
Diisopropyl Ether (DIPE)	102	100	57-129	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	97	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	98	58-124	4	0-20	
Ethanol	127	128	17-167	1	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/10/10
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1118-1	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10**	**100616S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	98	61-127	4	0-20	
Carbon Tetrachloride	104	101	51-135	4	0-29	
Chlorobenzene	87	84	57-123	3	0-20	
1,2-Dibromoethane	94	92	64-124	2	0-20	
1,2-Dichlorobenzene	71	65	35-131	9	0-25	
1,2-Dichloroethane	98	95	80-120	3	0-20	
1,1-Dichloroethene	103	104	47-143	1	0-25	
Ethylbenzene	98	95	57-129	3	0-22	
Toluene	98	93	63-123	5	0-20	
Trichloroethene	97	92	44-158	5	0-20	
Vinyl Chloride	85	80	49-139	6	0-47	
Methyl-t-Butyl Ether (MTBE)	93	99	57-123	6	0-21	
Tert-Butyl Alcohol (TBA)	109	116	30-168	7	0-34	
Diisopropyl Ether (DIPE)	96	97	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	98	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	97	58-124	1	0-20	
Ethanol	96	78	17-167	22	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0924
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-295-41	**Solid**	**GC 27**	**06/11/10**	**06/12/10**	**100611B14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	112	109	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-0924
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,714	**Solid**	**GC 22**	**06/14/10**	**06/16/10**	**100614B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	94	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-0924
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,717	**Solid**	**GC 22**	**06/17/10**	**06/17/10**	**100617B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	80	70-124	15	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-0924
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,710	**Solid**	**GC 22**	**06/14/10**	**06/15/10**	**100614B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	105	100	70-124	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,374	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10**	**100616L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	101	78-120	71-127	2	0-20	
Carbon Tetrachloride	108	102	49-139	34-154	6	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	105	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	97	101	75-120	68-128	4	0-20	
1,2-Dichloroethane	104	102	80-120	73-127	2	0-20	
1,1-Dichloroethene	108	100	74-122	66-130	8	0-20	
Ethylbenzene	108	105	76-120	69-127	3	0-20	
Toluene	106	105	77-120	70-127	1	0-20	
Trichloroethene	102	104	80-120	73-127	2	0-20	
Vinyl Chloride	102	97	68-122	59-131	5	0-20	
Methyl-t-Butyl Ether (MTBE)	103	99	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	115	110	68-122	59-131	5	0-20	
Diisopropyl Ether (DIPE)	109	102	78-120	71-127	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	107	101	78-120	71-127	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	102	75-120	68-128	4	0-20	
Ethanol	97	95	56-140	42-154	2	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0924
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,387	**Solid**	**GC/MS S**	**06/16/10**	**06/16/10**	**100616L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	109	109	78-120	71-127	0	0-20	
Carbon Tetrachloride	108	109	49-139	34-154	1	0-20	
Chlorobenzene	102	104	79-120	72-127	2	0-20	
1,2-Dibromoethane	106	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	103	106	75-120	68-128	3	0-20	
1,2-Dichloroethane	105	107	80-120	73-127	3	0-20	
1,1-Dichloroethene	110	109	74-122	66-130	1	0-20	
Ethylbenzene	113	114	76-120	69-127	1	0-20	
Toluene	108	108	77-120	70-127	0	0-20	
Trichloroethene	103	105	80-120	73-127	2	0-20	
Vinyl Chloride	88	84	68-122	59-131	5	0-20	
Methyl-t-Butyl Ether (MTBE)	98	102	77-120	70-127	4	0-20	
Tert-Butyl Alcohol (TBA)	99	104	68-122	59-131	5	0-20	
Diisopropyl Ether (DIPE)	102	102	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	104	78-120	71-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	105	75-120	68-128	2	0-20	
Ethanol	86	81	56-140	42-154	6	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.	Date Received:	N/A
100 West Walnut Street	Work Order No:	10-06-0924
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,383	**Solid**	**GC/MS PP**	**06/16/10**	**06/16/10**	**100616L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	101	78-120	71-127	2	0-20	
Carbon Tetrachloride	108	102	49-139	34-154	6	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	105	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	97	101	75-120	68-128	4	0-20	
1,2-Dichloroethane	104	102	80-120	73-127	2	0-20	
1,1-Dichloroethene	108	100	74-122	66-130	8	0-20	
Ethylbenzene	108	105	76-120	69-127	3	0-20	
Toluene	106	105	77-120	70-127	1	0-20	
Trichloroethene	102	104	80-120	73-127	2	0-20	
Vinyl Chloride	102	97	68-122	59-131	5	0-20	
Methyl-t-Butyl Ether (MTBE)	103	99	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	115	110	68-122	59-131	5	0-20	
Diisopropyl Ether (DIPE)	109	102	78-120	71-127	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	107	101	78-120	71-127	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	102	75-120	68-128	4	0-20	
Ethanol	97	95	56-140	42-154	2	0-20	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-0924

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

Date June 10, 2010
Page 1 of 2

LABORATORY CLIENT: Parsons
ADDRESS: 100 W. Walnut Street
CITY: Pasadena STATE: CA ZIP: 91124
TEL: 626·665·8336 E-MAIL:
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ ____
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk/746441
PROJECT CONTACT: Mary Lucas
SAMPLER(S): (PRINT) Quin Kinnebrew
COELT LOG CODE: ☐☐☐☐
P.O. NO.:
LAB USE ONLY: 06-0924
COOLER RECEIPT TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or (____)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+ ____	Hold		
1	DPT-26-25		06·10·10	0754	soil	1																X		
2	DPT-27-25			0910		1	X		X		X													
3	DPT-28-25			1025		1	X		X		X													
4	DPT-29-20			1114		1	X		X		X													
5	DPT-29-25			1126		1	X		X		X													
6	DPT-30-15			1250		1	X		X		X													
7	DPT-30-20			1258		1	X		X		X													
8	DPT-30-25			1308		1	X		X		X													
9	DPT-33-25			1414		1	X		X		X													
10	DPT-35-15			1457		1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation) Wbatn CEL	Date: 06·10·10	Time: 1535
Relinquished by: (Signature) Wbatn	Received by: (Signature/Affiliation) ca	Date: 06/10/10	Time: 1610
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date June 10, 2010

Page 2 of 2

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626-665-8336 E-MAIL:

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk / 746441

PROJECT CONTACT: Mary Lucas

P.O. NO.:

LAB USE ONLY: 06-0924

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE: ☐☐☐☐

COOLER RECEIPT TEMP=_____°C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ _____

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or (____)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+_____			
11	DPT-35-20		06.10.10	1506	Soil	1	X		X		X													
12	DPT-35-25		↓	1516	↓	1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation) Wdath CEL	Date: 06.10.10	Time: 1535
Relinquished by: (Signature) Wdath	Received by: (Signature/Affiliation) CEL	Date: 06/10/10	Time: 1610
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-0924

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS DATE: 06/10/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** WB

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** WB

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** JS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** JL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** JS

Calscience Environmental Laboratories, Inc.

June 17, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-06-0777**
Client Reference: DFSP Norwalk / 746441

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/9/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ranjit K. J. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Case Narrative

Project Name: **DFSP Norwalk / 746441**
Calscience Work Order Number: **10-06-0777**

1. Sample ID:

   One of the samples received with this SDG was listed as "DPT-25-**30**" on the COC, while the container label listed the ID as "DPT-25-**25**". Per the e-mail received from Parsons, Inc. on 06/10/10, the correct ID should be "DPT-25-**25**".

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-20-25	**10-06-0777-2-A**	**06/09/10 08:55**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 17:33**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-10	**10-06-0777-3-A**	**06/09/10 09:22**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 17:51**	**100611B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	12	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-15	**10-06-0777-4-A**	**06/09/10 09:36**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 18:10**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	8.4	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-20	**10-06-0777-5-A**	**06/09/10 09:44**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 18:27**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	11	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-25	**10-06-0777-6-A**	**06/09/10 09:55**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 18:45**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-20	**10-06-0777-7-A**	**06/09/10 11:20**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 19:03**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-25	**10-06-0777-8-A**	**06/09/10 11:28**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 11:17**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1700	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-10	**10-06-0777-9-A**	**06/09/10 12:56**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 11:34**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	2100	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-15	**10-06-0777-10-A**	**06/09/10 13:02**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 19:57**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-20	**10-06-0777-11-A**	**06/09/10 13:10**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 20:33**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-25	**10-06-0777-12-A**	**06/09/10 13:19**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 20:51**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	6.0	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-10	**10-06-0777-13-A**	**06/09/10 14:02**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 21:09**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-15	**10-06-0777-14-A**	**06/09/10 14:07**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 11:52**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	5200	75	15		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-20	**10-06-0777-15-A**	**06/09/10 14:16**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 21:45**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1300	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-25	**10-06-0777-16-A**	**06/09/10 14:25**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 22:03**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	74	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-10	**10-06-0777-17-A**	**06/09/10 15:02**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 22:21**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	150	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-15	**10-06-0777-18-A**	**06/09/10 15:07**	**Solid**	**GC 27**	**06/11/10**	**06/14/10 12:10**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	3800	50	10		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-20	**10-06-0777-19-A**	**06/09/10 15:15**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 22:57**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	720	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-25	**10-06-0777-20-A**	**06/09/10 15:23**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 23:15**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	520	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-295-40**	**N/A**	**Solid**	**GC 27**	**06/11/10**	**06/11/10 16:01**	**100611B04**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/09/10
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-20-25	**10-06-0777-2-A**	**06/09/10 08:55**	**Solid**	**GC 11**	**06/11/10**	**06/11/10 22:51**	**100611B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.6	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-10	**10-06-0777-3-A**	**06/09/10 09:22**	**Solid**	**GC 11**	**06/11/10**	**06/11/10 23:24**	**100611B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-15	**10-06-0777-4-A**	**06/09/10 09:36**	**Solid**	**GC 11**	**06/11/10**	**06/11/10 23:58**	**100611B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	6.9	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/09/10
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-20	**10-06-0777-5-A**	**06/09/10 09:44**	**Solid**	**GC 11**	**06/11/10**	**06/12/10 01:06**	**100611B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	5.1	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	113	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-25	**10-06-0777-6-A**	**06/09/10 09:55**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 01:39**	**100612B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-20	**10-06-0777-7-A**	**06/09/10 11:20**	**Solid**	**GC 4**	**06/12/10**	**06/12/10 21:21**	**100612B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-25	**10-06-0777-8-A**	**06/09/10 11:28**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 04:21**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	970	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-10	**10-06-0777-9-A**	**06/09/10 12:56**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 04:53**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1200	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-15	**10-06-0777-10-A**	**06/09/10 13:02**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 03:16**	**100612B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	4.0	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-20	**10-06-0777-11-A**	**06/09/10 13:10**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 00:34**	**100612B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-25	**10-06-0777-12-A**	**06/09/10 13:19**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 02:11**	**100612B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	3.1	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-10	**10-06-0777-13-A**	**06/09/10 14:02**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 01:07**	**100612B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441 Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-15	**10-06-0777-14-A**	**06/09/10 14:07**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 09:11**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2700	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	141	42-126	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-20	**10-06-0777-15-A**	**06/09/10 14:16**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 09:43**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	780	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	117	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-25	**10-06-0777-16-A**	**06/09/10 14:25**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 10:48**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	70	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-10	**10-06-0777-17-A**	**06/09/10 15:02**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 11:20**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2600	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	191	42-126	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-15	**10-06-0777-18-A**	**06/09/10 15:07**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 12:25**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2700	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	205	42-126	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-20	**10-06-0777-19-A**	**06/09/10 15:15**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 12:57**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	680	40	80		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	120	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP Norwalk / 746441 Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-25	**10-06-0777-20-A**	**06/09/10 15:23**	**Solid**	**GC 4**	**06/12/10**	**06/13/10 13:29**	**100612B02**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	190	40	80		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	107	42-126			

Method Blank	**099-12-279-3,707**	**N/A**	**Solid**	**GC 11**	**06/11/10**	**06/11/10 20:35**	**100611B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	95	42-126			

Method Blank	**099-12-279-3,708**	**N/A**	**Solid**	**GC 4**	**06/12/10**	**06/12/10 19:11**	**100612B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	75	42-126			

Method Blank	**099-12-279-3,709**	**N/A**	**Solid**	**GC 4**	**06/12/10**	**06/12/10 20:48**	**100612B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene - FID	69	42-126			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-20-25	**10-06-0777-2-A**	**06/09/10 08:55**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 06:12**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	5.5	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	118	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-10	**10-06-0777-3-A**	**06/09/10 09:22**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 06:39**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	63-141		1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-15	**10-06-0777-4-A**	**06/09/10 09:36**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 07:07**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	10	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.57	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.23	5.0	0.17	1	J	n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	104	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-20	**10-06-0777-5-A**	**06/09/10 09:44**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 07:34**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.9	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.40	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	0.36	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	1.9	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	1.6	5.0	0.17	1	J	n-Propylbenzene	0.96	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	0.31	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	63-141		1,2-Dichloroethane-d4	112	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	104	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 5 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-21-25	**10-06-0777-6-A**	**06/09/10 09:55**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 08:01**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	63-141		1,2-Dichloroethane-d4	109	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 6 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-20	**10-06-0777-7-A**	**06/09/10 11:20**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 08:28**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-22-25	**10-06-0777-8-A**	**06/09/10 11:28**	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10 18:26**	**100615L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	36	500	20	100	J	t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	530	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	410	500	220	100	J
Bromoform	ND	500	76	100		p-Isopropyltoluene	700	500	18	100	
Bromomethane	420	2500	330	100	B,J	Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	740	500	14	100		Naphthalene	2000	5000	360	100	J
sec-Butylbenzene	450	500	17	100	J	n-Propylbenzene	700	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	1200	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	400	500	220	100	J
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	120	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	43	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-10	**10-06-0777-9-A**	**06/09/10 12:56**	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10 18:53**	**100615L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	1200	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	980	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	1700	500	18	100	
Bromomethane	360	2500	330	100	B,J	Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	2300	500	14	100		Naphthalene	4300	5000	360	100	J
sec-Butylbenzene	1100	500	17	100		n-Propylbenzene	1600	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	8800	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	3100	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	920	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	73	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	95	63-141		1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-15	**10-06-0777-10-A**	**06/09/10 13:02**	**Solid**	**GC/MS XX**	**06/14/10**	**06/14/10 21:38**	**100614L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	6.4	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.74	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	2.2	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	3.9	5.0	0.14	1	J	Naphthalene	14	50	3.6	1	J
sec-Butylbenzene	1.5	5.0	0.17	1	J	n-Propylbenzene	1.0	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	9.8	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	2.8	5.0	2.2	1	J
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	0.50	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	131	63-141		1,2-Dichloroethane-d4	144	62-146	
Toluene-d8	104	80-120		1,4-Bromofluorobenzene	104	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 10 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-20	**10-06-0777-11-A**	**06/09/10 13:10**	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10 19:20**	**100615L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	0.20	5.0	0.14	1	J	Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	0.43	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 11 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-23-25	**10-06-0777-12-A**	**06/09/10 13:19**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 18:31**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.60	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	0.49	5.0	0.18	1	J
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	1.2	5.0	0.14	1	J	Naphthalene	4.1	50	3.6	1	J
sec-Butylbenzene	0.61	5.0	0.17	1	J	n-Propylbenzene	0.75	5.0	0.17	1	J
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	1.7	5.0	0.15	1	J
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	0.41	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	0.43	5.0	0.20	1	J
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/09/10
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP Norwalk / 746441		Page 12 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-10	**10-06-0777-13-A**	**06/09/10 14:02**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 16:41**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	110	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/09/10
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP Norwalk / 746441		Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-15	**10-06-0777-14-A**	**06/09/10 14:07**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 17:09**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	25000	970	200		c-1,3-Dichloropropene	ND	1000	140	200	
Benzene	ND	1000	40	200		t-1,3-Dichloropropene	ND	1000	41	200	
Bromobenzene	ND	1000	46	200		Ethylbenzene	2800	1000	33	200	
Bromochloromethane	ND	1000	160	200		2-Hexanone	ND	10000	940	200	
Bromodichloromethane	ND	1000	120	200		Isopropylbenzene	2000	1000	440	200	
Bromoform	ND	1000	150	200		p-Isopropyltoluene	5800	1000	35	200	
Bromomethane	ND	5000	650	200		Methylene Chloride	ND	10000	470	200	
2-Butanone	ND	10000	640	200		4-Methyl-2-Pentanone	ND	10000	310	200	
n-Butylbenzene	6500	1000	29	200		Naphthalene	24000	10000	730	200	
sec-Butylbenzene	2300	1000	34	200		n-Propylbenzene	3800	1000	35	200	
tert-Butylbenzene	ND	1000	170	200		Styrene	ND	1000	250	200	
Carbon Disulfide	ND	10000	480	200		1,1,1,2-Tetrachloroethane	ND	1000	48	200	
Carbon Tetrachloride	ND	1000	240	200		1,1,2,2-Tetrachloroethane	ND	1000	86	200	
Chlorobenzene	ND	1000	48	200		Tetrachloroethene	ND	1000	72	200	
Chloroethane	ND	1000	520	200		Toluene	ND	1000	59	200	
Chloroform	ND	1000	120	200		1,2,3-Trichlorobenzene	ND	2000	66	200	
Chloromethane	ND	5000	610	200		1,2,4-Trichlorobenzene	ND	1000	160	200	
2-Chlorotoluene	ND	1000	40	200		1,1,1-Trichloroethane	ND	1000	250	200	
4-Chlorotoluene	ND	1000	59	200		1,1,2-Trichloroethane	ND	1000	88	200	
Dibromochloromethane	ND	1000	83	200		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	160	200	
1,2-Dibromo-3-Chloropropane	ND	2000	510	200		Trichloroethene	ND	1000	96	200	
1,2-Dibromoethane	ND	1000	50	200		1,2,3-Trichloropropane	ND	1000	120	200	
Dibromomethane	ND	1000	250	200		1,2,4-Trimethylbenzene	30000	1000	31	200	
1,2-Dichlorobenzene	ND	1000	52	200		Trichlorofluoromethane	ND	10000	200	200	
1,3-Dichlorobenzene	ND	1000	52	200		1,3,5-Trimethylbenzene	9600	1000	440	200	
1,4-Dichlorobenzene	ND	1000	42	200		Vinyl Acetate	ND	10000	2100	200	
Dichlorodifluoromethane	ND	1000	600	200		Vinyl Chloride	ND	1000	190	200	
1,1-Dichloroethane	ND	1000	52	200		p/m-Xylene	2700	1000	65	200	
1,2-Dichloroethane	ND	1000	52	200		o-Xylene	130	1000	41	200	J
1,1-Dichloroethene	ND	1000	57	200		Methyl-t-Butyl Ether (MTBE)	ND	1000	49	200	
c-1,2-Dichloroethene	ND	1000	170	200		Tert-Butyl Alcohol (TBA)	ND	10000	4400	200	
t-1,2-Dichloroethene	ND	1000	140	200		Diisopropyl Ether (DIPE)	ND	2000	68	200	
1,2-Dichloropropane	ND	1000	72	200		Ethyl-t-Butyl Ether (ETBE)	ND	2000	57	200	
1,3-Dichloropropane	ND	1000	43	200		Tert-Amyl-Methyl Ether (TAME)	ND	2000	51	200	
2,2-Dichloropropane	ND	1000	110	200		Ethanol	ND	50000	20000	200	
1,1-Dichloropropene	ND	1000	97	200							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	105	62-146	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	107	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 14 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-20	**10-06-0777-15-A**	**06/09/10 14:16**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 17:36**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	680	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	460	500	220	100	J
Bromoform	ND	500	76	100		p-Isopropyltoluene	1000	500	18	100	
Bromomethane	460	2500	330	100	B,J	Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	900	500	14	100		Naphthalene	7400	5000	360	100	
sec-Butylbenzene	430	500	17	100	J	n-Propylbenzene	820	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	890	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	450	500	220	100	J
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	210	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	25	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	98	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	103	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-24-25	**10-06-0777-16-A**	**06/09/10 14:25**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 18:03**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.5	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	13	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	11	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	18	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	32	5.0	0.14	1		Naphthalene	110	50	3.6	1	
sec-Butylbenzene	17	5.0	0.17	1		n-Propylbenzene	21	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	15	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	2.5	5.0	2.2	1	J
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	2.9	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	1.8	5.0	0.20	1	J
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	130	250	100	1	J
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	108	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.	Date Received:	06/09/10
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/kg
Project: DFSP Norwalk / 746441		Page 16 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-10	**10-06-0777-17-A**	**06/09/10 15:02**	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10 15:08**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	2300	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	1900	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	3200	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	5000	500	14	100		Naphthalene	2000	5000	360	100	J
sec-Butylbenzene	2600	500	17	100		n-Propylbenzene	4000	500	17	100	
tert-Butylbenzene	200	500	87	100	J	Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	23000	1000	31	200	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	11000	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	1000	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	33	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	63-141		1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	104	80-120		1,4-Bromofluorobenzene	109	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-15	**10-06-0777-18-A**	**06/09/10 15:07**	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10 15:38**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	25000	970	200		c-1,3-Dichloropropene	ND	1000	140	200	
Benzene	ND	1000	40	200		t-1,3-Dichloropropene	ND	1000	41	200	
Bromobenzene	ND	1000	46	200		Ethylbenzene	7400	1000	33	200	
Bromochloromethane	ND	1000	160	200		2-Hexanone	ND	10000	940	200	
Bromodichloromethane	ND	1000	120	200		Isopropylbenzene	4100	1000	440	200	
Bromoform	ND	1000	150	200		p-Isopropyltoluene	3600	1000	35	200	
Bromomethane	ND	5000	650	200		Methylene Chloride	ND	10000	470	200	
2-Butanone	ND	10000	640	200		4-Methyl-2-Pentanone	ND	10000	310	200	
n-Butylbenzene	5100	1000	29	200		Naphthalene	8800	10000	730	200	J
sec-Butylbenzene	2700	1000	34	200		n-Propylbenzene	7100	1000	35	200	
tert-Butylbenzene	ND	1000	170	200		Styrene	ND	1000	250	200	
Carbon Disulfide	ND	10000	480	200		1,1,1,2-Tetrachloroethane	ND	1000	48	200	
Carbon Tetrachloride	ND	1000	240	200		1,1,2,2-Tetrachloroethane	ND	1000	86	200	
Chlorobenzene	ND	1000	48	200		Tetrachloroethene	ND	1000	72	200	
Chloroethane	ND	1000	520	200		Toluene	ND	1000	59	200	
Chloroform	ND	1000	120	200		1,2,3-Trichlorobenzene	ND	2000	66	200	
Chloromethane	ND	5000	610	200		1,2,4-Trichlorobenzene	ND	1000	160	200	
2-Chlorotoluene	ND	1000	40	200		1,1,1-Trichloroethane	ND	1000	250	200	
4-Chlorotoluene	ND	1000	59	200		1,1,2-Trichloroethane	ND	1000	88	200	
Dibromochloromethane	ND	1000	83	200		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	160	200	
1,2-Dibromo-3-Chloropropane	ND	2000	510	200		Trichloroethene	ND	1000	96	200	
1,2-Dibromoethane	ND	1000	50	200		1,2,3-Trichloropropane	ND	1000	120	200	
Dibromomethane	ND	1000	250	200		1,2,4-Trimethylbenzene	35000	1000	31	200	
1,2-Dichlorobenzene	ND	1000	52	200		Trichlorofluoromethane	ND	10000	200	200	
1,3-Dichlorobenzene	ND	1000	52	200		1,3,5-Trimethylbenzene	13000	1000	440	200	
1,4-Dichlorobenzene	ND	1000	42	200		Vinyl Acetate	ND	10000	2100	200	
Dichlorodifluoromethane	ND	1000	600	200		Vinyl Chloride	ND	1000	190	200	
1,1-Dichloroethane	ND	1000	52	200		p/m-Xylene	10000	1000	65	200	
1,2-Dichloroethane	ND	1000	52	200		o-Xylene	650	1000	41	200	J
1,1-Dichloroethene	ND	1000	57	200		Methyl-t-Butyl Ether (MTBE)	ND	1000	49	200	
c-1,2-Dichloroethene	ND	1000	170	200		Tert-Butyl Alcohol (TBA)	ND	10000	4400	200	
t-1,2-Dichloroethene	ND	1000	140	200		Diisopropyl Ether (DIPE)	ND	2000	68	200	
1,2-Dichloropropane	ND	1000	72	200		Ethyl-t-Butyl Ether (ETBE)	ND	2000	57	200	
1,3-Dichloropropane	ND	1000	43	200		Tert-Amyl-Methyl Ether (TAME)	ND	2000	51	200	
2,2-Dichloropropane	ND	1000	110	200		Ethanol	ND	50000	20000	200	
1,1-Dichloropropene	ND	1000	97	200							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	63-141		1,2-Dichloroethane-d4	90	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-20	**10-06-0777-19-A**	**06/09/10 15:15**	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10 16:08**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	1000	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	730	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	260	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	890	500	14	100		Naphthalene	1500	5000	360	100	J
sec-Butylbenzene	590	500	17	100		n-Propylbenzene	1300	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	2300	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	780	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	130	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	97	500	20	100	J
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	63-141		1,2-Dichloroethane-d4	88	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 19 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-25-25	**10-06-0777-20-A**	**06/09/10 15:23**	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10 16:38**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	560	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	130	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	200	500	14	100	J	Naphthalene	500	5000	360	100	J
sec-Butylbenzene	100	500	17	100	J	n-Propylbenzene	280	500	17	100	J
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	1600	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	400	500	220	100	J
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	460	500	32	100	J
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	63-141		1,2-Dichloroethane-d4	87	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 20 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,363**	**N/A**	**Solid**	**GC/MS XX**	**06/14/10**	**06/14/10 12:38**	**100614L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	63-141		1,2-Dichloroethane-d4	122	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	86	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,365**	**N/A**	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10 00:20**	**100614L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	2.5	50	2.3	1	J
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 22 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,367**	**N/A**	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10 13:26**	**100615L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP Norwalk / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,371**	**N/A**	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10 12:59**	**100615L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	480	2500	330	100	J	Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	51	1000	33	100	J
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	23	500	21	100	J	Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	100	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,376**	**N/A**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 13:58**	**100616L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	96	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 25 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,379**	**N/A**	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10 13:31**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	510	2500	330	100	J	Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	49	1000	33	100	J
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/09/10
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP Norwalk / 746441			Page 26 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,381**	**N/A**	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10 12:10**	**100616L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	63-141		1,2-Dichloroethane-d4	87	62-146	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	96	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-20-25	**Solid**	**GC 27**	**06/11/10**	**06/11/10**	**100611S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	105	118	64-130	12	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0955-16	**Solid**	**GC 11**	**06/11/10**	**06/11/10**	**100611S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	78	74	48-114	5	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DPT-22-20	**Solid**	**GC 4**	**06/12/10**	**06/12/10**	**100612S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	98	48-114	7	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0775-20	**Solid**	**GC/MS XX**	**06/14/10**	**06/14/10**	**100614S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	98	61-127	2	0-20	
Carbon Tetrachloride	103	107	51-135	3	0-29	
Chlorobenzene	96	93	57-123	2	0-20	
1,2-Dibromoethane	100	99	64-124	0	0-20	
1,2-Dichlorobenzene	94	94	35-131	0	0-25	
1,2-Dichloroethane	99	99	80-120	0	0-20	
1,1-Dichloroethene	86	98	47-143	13	0-25	
Ethylbenzene	103	99	57-129	4	0-22	
Toluene	100	97	63-123	3	0-20	
Trichloroethene	96	93	44-158	4	0-20	
Vinyl Chloride	110	107	49-139	3	0-47	
Methyl-t-Butyl Ether (MTBE)	101	111	57-123	9	0-21	
Tert-Butyl Alcohol (TBA)	94	91	30-168	3	0-34	
Diisopropyl Ether (DIPE)	117	121	57-129	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	112	117	55-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	105	58-124	3	0-20	
Ethanol	81	77	17-167	4	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0831-1	**Solid**	**GC/MS VV**	**06/14/10**	**06/15/10**	**100614S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	79	61	61-127	25	0-20	4
Carbon Tetrachloride	76	48	51-135	45	0-29	4,3
Chlorobenzene	57	37	57-123	41	0-20	4,3
1,2-Dibromoethane	82	64	64-124	24	0-20	4
1,2-Dichlorobenzene	36	22	35-131	49	0-25	4,3
1,2-Dichloroethane	95	86	80-120	10	0-20	
1,1-Dichloroethene	88	69	47-143	24	0-25	
Ethylbenzene	57	34	57-129	50	0-22	4,3
Toluene	63	42	63-123	39	0-20	4,3
Trichloroethene	113	80	44-158	34	0-20	4
Vinyl Chloride	102	113	49-139	10	0-47	
Methyl-t-Butyl Ether (MTBE)	94	97	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	105	104	30-168	2	0-34	
Diisopropyl Ether (DIPE)	95	90	57-129	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	95	92	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	87	58-124	4	0-20	
Ethanol	100	102	17-167	2	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0775-18	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10**	**100615S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	61-127	1	0-20	
Carbon Tetrachloride	109	109	51-135	0	0-29	
Chlorobenzene	101	102	57-123	0	0-20	
1,2-Dibromoethane	110	109	64-124	1	0-20	
1,2-Dichlorobenzene	101	99	35-131	2	0-25	
1,2-Dichloroethane	112	109	80-120	2	0-20	
1,1-Dichloroethene	86	89	47-143	3	0-25	
Ethylbenzene	107	108	57-129	1	0-22	
Toluene	101	101	63-123	1	0-20	
Trichloroethene	104	102	44-158	2	0-20	
Vinyl Chloride	110	116	49-139	5	0-47	
Methyl-t-Butyl Ether (MTBE)	95	95	57-123	1	0-21	
Tert-Butyl Alcohol (TBA)	106	104	30-168	2	0-34	
Diisopropyl Ether (DIPE)	98	101	57-129	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	99	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	102	58-124	0	0-20	
Ethanol	88	96	17-167	9	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0134-18	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10**	**100616S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	85	78	61-127	8	0-20	
Carbon Tetrachloride	80	78	51-135	2	0-29	
Chlorobenzene	76	72	57-123	6	0-20	
1,2-Dibromoethane	91	83	64-124	9	0-20	
1,2-Dichlorobenzene	61	62	35-131	1	0-25	
1,2-Dichloroethane	97	88	80-120	9	0-20	
1,1-Dichloroethene	67	62	47-143	9	0-25	
Ethylbenzene	75	75	57-129	1	0-22	
Toluene	77	73	63-123	5	0-20	
Trichloroethene	116	89	44-158	26	0-20	4
Vinyl Chloride	103	94	49-139	9	0-47	
Methyl-t-Butyl Ether (MTBE)	91	84	57-123	7	0-21	
Tert-Butyl Alcohol (TBA)	97	84	30-168	14	0-34	
Diisopropyl Ether (DIPE)	93	84	57-129	10	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	85	55-127	10	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	90	58-124	4	0-20	
Ethanol	85	74	17-167	14	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/09/10
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1217-3	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10**	**100616S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	84	61-127	3	0-20	
Carbon Tetrachloride	88	88	51-135	1	0-29	
Chlorobenzene	84	81	57-123	4	0-20	
1,2-Dibromoethane	98	93	64-124	5	0-20	
1,2-Dichlorobenzene	78	74	35-131	4	0-25	
1,2-Dichloroethane	87	83	80-120	5	0-20	
1,1-Dichloroethene	83	81	47-143	3	0-25	
Ethylbenzene	87	83	57-129	4	0-22	
Toluene	89	87	63-123	2	0-20	
Trichloroethene	88	85	44-158	2	0-20	
Vinyl Chloride	77	75	49-139	2	0-47	
Methyl-t-Butyl Ether (MTBE)	99	96	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	92	95	30-168	3	0-34	
Diisopropyl Ether (DIPE)	90	87	57-129	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	96	55-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	101	58-124	2	0-20	
Ethanol	79	84	17-167	6	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-295-40	**Solid**	**GC 27**	**06/11/10**	**06/11/10**	**100611B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	109	111	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,709	**Solid**	**GC 4**	**06/12/10**	**06/12/10**	**100612B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	92	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-0777
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,707	**Solid**	**GC 11**	**06/11/10**	**06/11/10**	**100611B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	111	70-124	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received:	N/A
Work Order No:	10-06-0777
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,708	**Solid**	**GC 4**	**06/12/10**	**06/12/10**	**100612B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	92	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,363	**Solid**	**GC/MS XX**	**06/14/10**	**06/14/10**	**100614L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	93	78-120	71-127	1	0-20	
Carbon Tetrachloride	103	101	49-139	34-154	2	0-20	
Chlorobenzene	92	92	79-120	72-127	0	0-20	
1,2-Dibromoethane	94	98	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	96	92	75-120	68-128	4	0-20	
1,2-Dichloroethane	92	93	80-120	73-127	1	0-20	
1,1-Dichloroethene	93	91	74-122	66-130	2	0-20	
Ethylbenzene	95	94	76-120	69-127	1	0-20	
Toluene	96	93	77-120	70-127	2	0-20	
Trichloroethene	92	91	80-120	73-127	1	0-20	
Vinyl Chloride	99	95	68-122	59-131	4	0-20	
Methyl-t-Butyl Ether (MTBE)	104	106	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	90	92	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	113	113	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	111	112	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	102	75-120	68-128	1	0-20	
Ethanol	85	88	56-140	42-154	4	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.	Date Received:	N/A
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,365	**Solid**	**GC/MS VV**	**06/14/10**	**06/14/10**	**100614L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	101	78-120	71-127	0	0-20	
Carbon Tetrachloride	101	103	49-139	34-154	1	0-20	
Chlorobenzene	100	99	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	107	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	98	98	75-120	68-128	0	0-20	
1,2-Dichloroethane	109	108	80-120	73-127	1	0-20	
1,1-Dichloroethene	92	93	74-122	66-130	1	0-20	
Ethylbenzene	104	103	76-120	69-127	0	0-20	
Toluene	99	99	77-120	70-127	0	0-20	
Trichloroethene	101	99	80-120	73-127	1	0-20	
Vinyl Chloride	112	114	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	99	100	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	102	106	68-122	59-131	4	0-20	
Diisopropyl Ether (DIPE)	101	104	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	103	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	106	75-120	68-128	0	0-20	
Ethanol	89	98	56-140	42-154	9	0-20	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,367	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10**	**100615L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	103	78-120	71-127	1	0-20	
Carbon Tetrachloride	105	107	49-139	34-154	1	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
1,2-Dibromoethane	107	107	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	102	75-120	68-128	1	0-20	
1,2-Dichloroethane	109	110	80-120	73-127	0	0-20	
1,1-Dichloroethene	98	98	74-122	66-130	0	0-20	
Ethylbenzene	105	108	76-120	69-127	2	0-20	
Toluene	101	101	77-120	70-127	0	0-20	
Trichloroethene	103	102	80-120	73-127	2	0-20	
Vinyl Chloride	114	114	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	100	100	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	98	105	68-122	59-131	7	0-20	
Diisopropyl Ether (DIPE)	101	103	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	102	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	106	75-120	68-128	1	0-20	
Ethanol	92	89	56-140	42-154	3	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,371	**Solid**	**GC/MS VV**	**06/15/10**	**06/15/10**	**100615L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	103	78-120	71-127	1	0-20	
Carbon Tetrachloride	105	107	49-139	34-154	1	0-20	
Chlorobenzene	101	102	79-120	72-127	1	0-20	
1,2-Dibromoethane	107	107	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	102	75-120	68-128	1	0-20	
1,2-Dichloroethane	109	110	80-120	73-127	0	0-20	
1,1-Dichloroethene	98	98	74-122	66-130	0	0-20	
Ethylbenzene	105	108	76-120	69-127	2	0-20	
Toluene	101	101	77-120	70-127	0	0-20	
Trichloroethene	103	102	80-120	73-127	2	0-20	
Vinyl Chloride	114	114	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	100	100	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	98	105	68-122	59-131	7	0-20	
Diisopropyl Ether (DIPE)	101	103	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	102	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	106	75-120	68-128	1	0-20	
Ethanol	92	89	56-140	42-154	3	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.	Date Received:	N/A
100 West Walnut Street	Work Order No:	10-06-0777
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,376	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10**	**100616L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	78-120	71-127	0	0-20	
Carbon Tetrachloride	101	100	49-139	34-154	1	0-20	
Chlorobenzene	101	100	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	109	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	103	101	75-120	68-128	2	0-20	
1,2-Dichloroethane	107	108	80-120	73-127	1	0-20	
1,1-Dichloroethene	84	82	74-122	66-130	2	0-20	
Ethylbenzene	105	104	76-120	69-127	1	0-20	
Toluene	98	97	77-120	70-127	1	0-20	
Trichloroethene	98	97	80-120	73-127	1	0-20	
Vinyl Chloride	105	104	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	96	97	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	102	113	68-122	59-131	10	0-20	
Diisopropyl Ether (DIPE)	97	97	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	98	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	104	75-120	68-128	1	0-20	
Ethanol	101	90	56-140	42-154	11	0-20	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,381	**Solid**	**GC/MS Q**	**06/16/10**	**06/16/10**	**100616L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	97	78-120	71-127	1	0-20	
Carbon Tetrachloride	106	105	49-139	34-154	1	0-20	
Chlorobenzene	100	101	79-120	72-127	0	0-20	
1,2-Dibromoethane	103	105	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	105	102	75-120	68-128	2	0-20	
1,2-Dichloroethane	93	93	80-120	73-127	0	0-20	
1,1-Dichloroethene	91	90	74-122	66-130	1	0-20	
Ethylbenzene	108	107	76-120	69-127	1	0-20	
Toluene	104	102	77-120	70-127	2	0-20	
Trichloroethene	102	103	80-120	73-127	1	0-20	
Vinyl Chloride	83	82	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	101	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	101	99	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	97	95	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	108	107	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	113	112	75-120	68-128	1	0-20	
Ethanol	85	86	56-140	42-154	1	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-0777
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP Norwalk / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,379	**Solid**	**GC/MS VV**	**06/16/10**	**06/16/10**	**100616L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	78-120	71-127	0	0-20	
Carbon Tetrachloride	101	100	49-139	34-154	1	0-20	
Chlorobenzene	101	100	79-120	72-127	1	0-20	
1,2-Dibromoethane	106	109	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	103	101	75-120	68-128	2	0-20	
1,2-Dichloroethane	107	108	80-120	73-127	1	0-20	
1,1-Dichloroethene	84	82	74-122	66-130	2	0-20	
Ethylbenzene	105	104	76-120	69-127	1	0-20	
Toluene	98	97	77-120	70-127	1	0-20	
Trichloroethene	98	97	80-120	73-127	1	0-20	
Vinyl Chloride	105	104	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	96	97	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	102	113	68-122	59-131	10	0-20	
Diisopropyl Ether (DIPE)	97	97	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	98	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	104	75-120	68-128	1	0-20	
Ethanol	101	90	56-140	42-154	11	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-0777

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

Date 06.09.10

Page 1 of 2

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626.665.8336 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ ____

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: DFSP- Norwalk / 746441

P.O. NO.:

PROJECT CONTACT: Mary Lucas

LAB USE ONLY: 06-0777

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE

COOLER RECEIPT TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or (____)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+ ____	Hold		
1	DPT-20-20		06.09.10	0845	Soil	1																X		
2	DPT-20-25			0855		1	X		X		X													
3	DPT-21-10			0922		1	X		X		X													
4	DPT-21-15			0936		1	X		X		X													
5	DPT-21-20			0944		1	X		X		X													
6	DPT-21-25			0955		1	X		X		X													
7	DPT-22-20			1120		1	X		X		X													
8	DPT-22-25			1128		1	X		X		X													
9	DPT-23-10			1256		1	X		X		X													
10	DPT-23-15			1302		1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation) Weck CEL	Date: 06.09.10	Time: 1551
Relinquished by: (Signature) Weck	Received by: (Signature/Affiliation) - CEL	Date: 06/09/10	Time: 1620
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 06-09-10

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626-665-8336 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ ____

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk / 746441

P.O. NO.:

PROJECT CONTACT: Mary Lucas

LAB USE ONLY: 10-0777

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE ☐☐☐☐

COOLER RECEIPT TEMP= ____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or (____)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+____			
11	DPT-23-20		06-09-10	1310	Soil	1	X		X		X													
12	DPT-23-25			1319		1	X		X		X													
13	DPT-24-10			1402		1	X		X		X													
14	DPT-24-15			1407		1	X		X		X													
15	DPT-24-20			1416		1	X		X		X													
16	DPT-24-25			1425		1	X		X		X													
17	DPT-25-10			1502		1	X		X		X													
18	DPT-25-15			1507		1	X		X		X													
19	DPT-25-20			1515		1	X		X		X													
20	DPT-25-30			1523		1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew	Received by: (Signature/Affiliation) WDath CL	Date: 06-09-10	Time: 1551
Relinquished by: (Signature) WDath	Received by: (Signature/Affiliation) CEC	Date: 06/09/10	Time: 1620
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-0777

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS DATE: 06/09/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WB

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: WB

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑ 6/11/10	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** [illegible]

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** YL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-0777

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC** — (-20) Labeled as DPT-25-25
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC** — 6/9/10 @ 15:23
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: bL 06/9/10

Ranjit Clarke

From: Lucas, Mary [Mary.Lucas@parsons.com]
Sent: Thursday, June 10, 2010 11:12 AM
To: Ranjit Clarke; Zicker, Cindy; blackrock@msn.com
Subject: RE: Sample ID? - DFSP Norwalk / 746441 (06/09/10)

Yes, I noticed that too – it is DPT-25-25.
Thanks,
Mary

From: Ranjit Clarke [mailto:RClarke@calscience.com]
Sent: Thursday, June 10, 2010 11:06 AM
To: Lucas, Mary; Zicker, Cindy; blackrock@msn.com
Subject: Sample ID? - DFSP Norwalk / 746441 (06/09/10)

The last sample on pg. 2 of the COC is listed as "DPT-25-**30**", but the container lists the ID as "DPT-25-**25**". Which ID is correct?

Ranjit Clarke
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x240
Fax: 714-894-7501

The difference is service

Calscience
Environmental
Laboratories, Inc.

June 21, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-06-1164**
Client Reference: DFSP NORWALK / 746441

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/14/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ranjit K. J. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-20	**10-06-1164-1-A**	**06/14/10 08:15**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 21:45**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-25	**10-06-1164-2-A**	**06/14/10 08:23**	**Solid**	**GC 46**	**06/16/10**	**06/17/10 10:16**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	12000	120	25		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	84	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-31-12	**10-06-1164-3-A**	**06/14/10 12:23**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 22:16**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	5.2	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-295-42**	**N/A**	**Solid**	**GC 46**	**06/16/10**	**06/16/10 17:07**	**100616B18**

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-20	**10-06-1164-1-A**	**06/14/10 08:15**	**Solid**	**GC 22**	**06/17/10**	**06/17/10 18:17**	**100617B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.65	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-25	**10-06-1164-2-A**	**06/14/10 08:23**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 20:41**	**100614B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	8400	100	200		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-31-12	**10-06-1164-3-A**	**06/14/10 12:23**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 21:02**	**100614B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,710**	**N/A**	**Solid**	**GC 22**	**06/14/10**	**06/15/10 07:24**	**100614B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,714**	**N/A**	**Solid**	**GC 22**	**06/14/10**	**06/16/10 04:07**	**100614B04**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-3,715**	**N/A**	**Solid**	**GC 22**	**06/17/10**	**06/17/10 11:44**	**100617B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	79	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.		Date Received:	06/14/10
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: DFSP NORWALK / 746441			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-20	**10-06-1164-1-A**	**06/14/10 08:15**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 16:27**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.0	120	4.8	1	J	c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	0.19	5.0	0.16	1	J
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	0.74	5.0	0.17	1	J	n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	0.44	5.0	0.32	1	J
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	63-141		1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-34-25	**10-06-1164-2-A**	**06/14/10 08:23**	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10 15:36**	**100619L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	230	500	16	100	J
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	4200	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	99	500	18	100	J
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	6400	500	14	100		Naphthalene	14000	5000	360	100	
sec-Butylbenzene	6900	500	17	100		n-Propylbenzene	9300	500	17	100	
tert-Butylbenzene	240	500	87	100	J	Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	118	80-120		1,4-Bromofluorobenzene	118	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPT-31-12	**10-06-1164-3-A**	**06/14/10 12:23**	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10 15:09**	**100619L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	63-141		1,2-Dichloroethane-d4	117	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	92	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,386**	**N/A**	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10 12:24**	**100617L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,414**	**N/A**	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10 12:53**	**100619L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	120	4.8	1		c-1,3-Dichloropropene	ND	5.0	0.69	1	
Benzene	ND	5.0	0.20	1		t-1,3-Dichloropropene	ND	5.0	0.21	1	
Bromobenzene	ND	5.0	0.23	1		Ethylbenzene	ND	5.0	0.16	1	
Bromochloromethane	ND	5.0	0.78	1		2-Hexanone	ND	50	4.7	1	
Bromodichloromethane	ND	5.0	0.61	1		Isopropylbenzene	ND	5.0	2.2	1	
Bromoform	ND	5.0	0.76	1		p-Isopropyltoluene	ND	5.0	0.18	1	
Bromomethane	ND	25	3.3	1		Methylene Chloride	ND	50	2.3	1	
2-Butanone	ND	50	3.2	1		4-Methyl-2-Pentanone	ND	50	1.5	1	
n-Butylbenzene	ND	5.0	0.14	1		Naphthalene	ND	50	3.6	1	
sec-Butylbenzene	ND	5.0	0.17	1		n-Propylbenzene	ND	5.0	0.17	1	
tert-Butylbenzene	ND	5.0	0.87	1		Styrene	ND	5.0	1.3	1	
Carbon Disulfide	ND	50	2.4	1		1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
Carbon Tetrachloride	ND	5.0	1.2	1		1,1,2,2-Tetrachloroethane	ND	5.0	0.43	1	
Chlorobenzene	ND	5.0	0.24	1		Tetrachloroethene	ND	5.0	0.36	1	
Chloroethane	ND	5.0	2.6	1		Toluene	ND	5.0	0.29	1	
Chloroform	ND	5.0	0.58	1		1,2,3-Trichlorobenzene	ND	10	0.33	1	
Chloromethane	ND	25	3.0	1		1,2,4-Trichlorobenzene	ND	5.0	0.79	1	
2-Chlorotoluene	ND	5.0	0.20	1		1,1,1-Trichloroethane	ND	5.0	1.3	1	
4-Chlorotoluene	ND	5.0	0.29	1		1,1,2-Trichloroethane	ND	5.0	0.44	1	
Dibromochloromethane	ND	5.0	0.42	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.82	1	
1,2-Dibromo-3-Chloropropane	ND	10	2.6	1		Trichloroethene	ND	5.0	0.48	1	
1,2-Dibromoethane	ND	5.0	0.25	1		1,2,3-Trichloropropane	ND	5.0	0.61	1	
Dibromomethane	ND	5.0	1.2	1		1,2,4-Trimethylbenzene	ND	5.0	0.15	1	
1,2-Dichlorobenzene	ND	5.0	0.26	1		Trichlorofluoromethane	ND	50	0.98	1	
1,3-Dichlorobenzene	ND	5.0	0.26	1		1,3,5-Trimethylbenzene	ND	5.0	2.2	1	
1,4-Dichlorobenzene	ND	5.0	0.21	1		Vinyl Acetate	ND	50	11	1	
Dichlorodifluoromethane	ND	5.0	3.0	1		Vinyl Chloride	ND	5.0	0.95	1	
1,1-Dichloroethane	ND	5.0	0.26	1		p/m-Xylene	ND	5.0	0.32	1	
1,2-Dichloroethane	ND	5.0	0.26	1		o-Xylene	ND	5.0	0.20	1	
1,1-Dichloroethene	ND	5.0	0.29	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.25	1	
c-1,2-Dichloroethene	ND	5.0	0.83	1		Tert-Butyl Alcohol (TBA)	ND	50	22	1	
t-1,2-Dichloroethene	ND	5.0	0.68	1		Diisopropyl Ether (DIPE)	ND	10	0.34	1	
1,2-Dichloropropane	ND	5.0	0.36	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	0.28	1	
1,3-Dichloropropane	ND	5.0	0.21	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	0.26	1	
2,2-Dichloropropane	ND	5.0	0.56	1		Ethanol	ND	250	100	1	
1,1-Dichloropropene	ND	5.0	0.49	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	117	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	92	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: DFSP NORWALK / 746441

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-3,415**	**N/A**	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10 12:26**	**100619L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	12000	480	100		c-1,3-Dichloropropene	ND	500	69	100	
Benzene	ND	500	20	100		t-1,3-Dichloropropene	ND	500	21	100	
Bromobenzene	ND	500	23	100		Ethylbenzene	ND	500	16	100	
Bromochloromethane	ND	500	78	100		2-Hexanone	ND	5000	470	100	
Bromodichloromethane	ND	500	61	100		Isopropylbenzene	ND	500	220	100	
Bromoform	ND	500	76	100		p-Isopropyltoluene	ND	500	18	100	
Bromomethane	ND	2500	330	100		Methylene Chloride	ND	5000	230	100	
2-Butanone	ND	5000	320	100		4-Methyl-2-Pentanone	ND	5000	150	100	
n-Butylbenzene	ND	500	14	100		Naphthalene	ND	5000	360	100	
sec-Butylbenzene	ND	500	17	100		n-Propylbenzene	ND	500	17	100	
tert-Butylbenzene	ND	500	87	100		Styrene	ND	500	130	100	
Carbon Disulfide	ND	5000	240	100		1,1,1,2-Tetrachloroethane	ND	500	24	100	
Carbon Tetrachloride	ND	500	120	100		1,1,2,2-Tetrachloroethane	ND	500	43	100	
Chlorobenzene	ND	500	24	100		Tetrachloroethene	ND	500	36	100	
Chloroethane	ND	500	260	100		Toluene	ND	500	29	100	
Chloroform	ND	500	58	100		1,2,3-Trichlorobenzene	ND	1000	33	100	
Chloromethane	ND	2500	300	100		1,2,4-Trichlorobenzene	ND	500	79	100	
2-Chlorotoluene	ND	500	20	100		1,1,1-Trichloroethane	ND	500	130	100	
4-Chlorotoluene	ND	500	29	100		1,1,2-Trichloroethane	ND	500	44	100	
Dibromochloromethane	ND	500	42	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	82	100	
1,2-Dibromo-3-Chloropropane	ND	1000	260	100		Trichloroethene	ND	500	48	100	
1,2-Dibromoethane	ND	500	25	100		1,2,3-Trichloropropane	ND	500	61	100	
Dibromomethane	ND	500	120	100		1,2,4-Trimethylbenzene	ND	500	15	100	
1,2-Dichlorobenzene	ND	500	26	100		Trichlorofluoromethane	ND	5000	98	100	
1,3-Dichlorobenzene	ND	500	26	100		1,3,5-Trimethylbenzene	ND	500	220	100	
1,4-Dichlorobenzene	ND	500	21	100		Vinyl Acetate	ND	5000	1100	100	
Dichlorodifluoromethane	ND	500	300	100		Vinyl Chloride	ND	500	95	100	
1,1-Dichloroethane	ND	500	26	100		p/m-Xylene	ND	500	32	100	
1,2-Dichloroethane	ND	500	26	100		o-Xylene	ND	500	20	100	
1,1-Dichloroethene	ND	500	29	100		Methyl-t-Butyl Ether (MTBE)	ND	500	25	100	
c-1,2-Dichloroethene	ND	500	83	100		Tert-Butyl Alcohol (TBA)	ND	5000	2200	100	
t-1,2-Dichloroethene	ND	500	68	100		Diisopropyl Ether (DIPE)	ND	1000	34	100	
1,2-Dichloropropane	ND	500	36	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	28	100	
1,3-Dichloropropane	ND	500	21	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	26	100	
2,2-Dichloropropane	ND	500	56	100		Ethanol	ND	25000	10000	100	
1,1-Dichloropropene	ND	500	49	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	63-141		1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	94	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.		Date Received:	06/14/10
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1049-2	**Solid**	**GC 46**	**06/16/10**	**06/16/10**	**100616S18**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	90	86	64-130	5	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0924-2	**Solid**	**GC 22**	**06/14/10**	**06/15/10**	**100614S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	97	100	48-114	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.		Date Received:	06/14/10
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1342-1	**Solid**	**GC 22**	**06/17/10**	**06/17/10**	**100617S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	79	90	48-114	12	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1408-1	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10**	**100617S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	61-127	0	0-20	
Carbon Tetrachloride	88	93	51-135	6	0-29	
Chlorobenzene	97	100	57-123	3	0-20	
1,2-Dibromoethane	88	90	64-124	2	0-20	
1,2-Dichlorobenzene	90	94	35-131	4	0-25	
1,2-Dichloroethane	88	86	80-120	2	0-20	
1,1-Dichloroethene	97	99	47-143	2	0-25	
Ethylbenzene	100	104	57-129	4	0-22	
Toluene	96	98	63-123	1	0-20	
Trichloroethene	102	103	44-158	1	0-20	
Vinyl Chloride	93	90	49-139	4	0-47	
Methyl-t-Butyl Ether (MTBE)	88	84	57-123	5	0-21	
Tert-Butyl Alcohol (TBA)	121	140	30-168	15	0-34	
Diisopropyl Ether (DIPE)	93	90	57-129	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	93	90	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	87	58-124	2	0-20	
Ethanol	92	100	17-167	9	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/14/10
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-1096-2	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10**	**100619S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	99	61-127	5	0-20	
Carbon Tetrachloride	118	122	51-135	4	0-29	
Chlorobenzene	98	99	57-123	0	0-20	
1,2-Dibromoethane	97	96	64-124	1	0-20	
1,2-Dichlorobenzene	95	95	35-131	0	0-25	
1,2-Dichloroethane	105	104	80-120	2	0-20	
1,1-Dichloroethene	102	103	47-143	1	0-25	
Ethylbenzene	103	106	57-129	2	0-22	
Toluene	106	103	63-123	3	0-20	
Trichloroethene	105	103	44-158	1	0-20	
Vinyl Chloride	114	116	49-139	2	0-47	
Methyl-t-Butyl Ether (MTBE)	92	96	57-123	4	0-21	
Tert-Butyl Alcohol (TBA)	124	133	30-168	7	0-34	
Diisopropyl Ether (DIPE)	102	101	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	99	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	93	58-124	2	0-20	
Ethanol	111	129	17-167	15	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-295-42	**Solid**	**GC 46**	**06/16/10**	**06/16/10**	**100616B18**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as JP5	112	111	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,714	**Solid**	**GC 22**	**06/14/10**	**06/16/10**	**100614B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	94	70-124	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,710	**Solid**	**GC 22**	**06/14/10**	**06/15/10**	**100614B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	105	100	70-124	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.		Date Received:	N/A
100 West Walnut Street		Work Order No:	10-06-1164
Pasadena, CA 91124-0002		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-3,715	**Solid**	**GC 22**	**06/17/10**	**06/17/10**	**100617B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	80	70-124	15	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,386	**Solid**	**GC/MS PP**	**06/17/10**	**06/17/10**	**100617L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	94	78-120	71-127	0	0-20	
Carbon Tetrachloride	93	91	49-139	34-154	3	0-20	
Chlorobenzene	97	97	79-120	72-127	0	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	97	97	75-120	68-128	0	0-20	
1,2-Dichloroethane	94	89	80-120	73-127	5	0-20	
1,1-Dichloroethene	101	96	74-122	66-130	4	0-20	
Ethylbenzene	102	101	76-120	69-127	2	0-20	
Toluene	99	97	77-120	70-127	3	0-20	
Trichloroethene	100	97	80-120	73-127	3	0-20	
Vinyl Chloride	93	91	68-122	59-131	3	0-20	
Methyl-t-Butyl Ether (MTBE)	97	92	77-120	70-127	5	0-20	
Tert-Butyl Alcohol (TBA)	109	99	68-122	59-131	10	0-20	
Diisopropyl Ether (DIPE)	99	96	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	95	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	94	75-120	68-128	1	0-20	
Ethanol	84	81	56-140	42-154	3	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.	Date Received:	N/A
100 West Walnut Street	Work Order No:	10-06-1164
Pasadena, CA 91124-0002	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,414	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10**	**100619L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	98	78-120	71-127	1	0-20	
Carbon Tetrachloride	115	115	49-139	34-154	0	0-20	
Chlorobenzene	99	97	79-120	72-127	2	0-20	
1,2-Dibromoethane	100	97	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	97	95	75-120	68-128	3	0-20	
1,2-Dichloroethane	107	105	80-120	73-127	1	0-20	
1,1-Dichloroethene	98	105	74-122	66-130	6	0-20	
Ethylbenzene	104	103	76-120	69-127	1	0-20	
Toluene	103	102	77-120	70-127	0	0-20	
Trichloroethene	104	100	80-120	73-127	3	0-20	
Vinyl Chloride	112	113	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	95	96	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	114	114	68-122	59-131	0	0-20	
Diisopropyl Ether (DIPE)	100	104	78-120	71-127	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	103	78-120	71-127	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	96	75-120	68-128	0	0-20	
Ethanol	99	81	56-140	42-154	20	0-20	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-06-1164
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK / 746441

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-3,415	**Solid**	**GC/MS PP**	**06/19/10**	**06/19/10**	**100619L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	98	78-120	71-127	1	0-20	
Carbon Tetrachloride	115	115	49-139	34-154	0	0-20	
Chlorobenzene	99	97	79-120	72-127	2	0-20	
1,2-Dibromoethane	100	97	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	97	95	75-120	68-128	3	0-20	
1,2-Dichloroethane	107	105	80-120	73-127	1	0-20	
1,1-Dichloroethene	98	105	74-122	66-130	6	0-20	
Ethylbenzene	104	103	76-120	69-127	1	0-20	
Toluene	103	102	77-120	70-127	0	0-20	
Trichloroethene	104	100	80-120	73-127	3	0-20	
Vinyl Chloride	112	113	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	95	96	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	114	114	68-122	59-131	0	0-20	
Diisopropyl Ether (DIPE)	100	104	78-120	71-127	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	103	78-120	71-127	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	96	75-120	68-128	0	0-20	
Ethanol	99	81	56-140	42-154	20	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-1164

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date June 14, 2010

Page 1 of 1

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut Street

CITY: Pasadena STATE: CA ZIP: 91124

TEL: 626.665.8336 E-MAIL:

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk / 746441

P.O. NO.:

PROJECT CONTACT: Mary Lucas

LAB USE ONLY: 06-1764

SAMPLER(S): (PRINT) Quin Kinnebrew

COELT LOG CODE:

COOLER RECEIPT TEMP= °C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (as JP-5)	BTEX / MTBE (8260B) or ( )	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+			
1	DPT-34-20		06.14.10	0815	Soil	1	X		X		X													
2	DPT-34-25		↓	0823	↓	1	X		X		X													
3	DPT-31-12		↓	1223	↓	1	X		X		X													

Relinquished by: (Signature) Quin Kinnebrew
Received by: (Signature/Affiliation) [illegible] - CL
Date: 06.14.10 Time: 1438

Relinquished by: (Signature)
Received by: (Signature/Affiliation)
Date: Time:

Relinquished by: (Signature)
Received by: (Signature/Affiliation)
Date: Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-1 1 6 4

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 06/14/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 5.2 °C + 0.5 °C (CF) = 5.7 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: PJ

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PJ

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: PJ

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (9) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** PJ

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** _____

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** _____

APPENDIX D

CONTAMINANT MASS CALCULATIONS

Weight and Volume of TPH in Soil
TFS Area

Location	Estimated Area		Estimated Thickness		Estimated Volume		Estimated Volume		Estimated Weight		Estimated Weight		Average Concentration		TPH Weight	
0 to 5	1,400	ft^2	5	ft	7,000	ft^3	259	cy	389	tons	352,722	kg	2,864	mg/kg	1,010	kg
5 to 10	14,200	ft^2	5	ft	71,000	ft^3	2630	cy	3,944	tons	3,577,611	kg	1,192	mg/kg	4,265	kg
10 to 15	25,000	ft^2	5	ft	125,000	ft^3	4630	cy	6,944	tons	6,298,611	kg	2,607	mg/kg	16,420	kg
15 to 20	36,500	ft^2	5	ft	182,500	ft^3	6759	cy	10,139	tons	9,195,972	kg	2,983	mg/kg	27,432	kg
20 to 25	41,600	ft^2	5	ft	208,000	ft^3	7704	cy	11,556	tons	10,480,889	kg	3,319	mg/kg	34,786	kg
														total =	**83,913**	**kg**
														total =	**184,996**	**lbs**
														total =	**27,205**	**gls**

	Boring	TPH-g Concentration	JP-5 Concentration	Total Concentration	
0 to 5 (5')	DPT-4	480	3100	3580	mg/kg
		80% due to carbon overlap =		**2864**	**mg/kg**

5 to 10 (10')	DPT-4	0	15	15	mg/kg
	DPT-8	770	2700	3470	mg/kg
	DPT-9	1.2	0	1.2	mg/kg
	DPT-10	0	12	12	mg/kg
	DPT-12	540	1600	2140	mg/kg
	DPT-23	1200	2100	3300	mg/kg
	Average	419	1071	1490	mg/kg
		80% due to carbon overlap =		**1192**	**mg/kg**

10 to 15 (15')	DPT-7	26	15	41	mg/kg
	DPT-8	870	2000	2870	mg/kg
	DPT-9	8.2	39	47.2	mg/kg

	DPT-10	240	490	730	mg/kg
	DPT-12	3500	5600	9100	mg/kg
	DPT-23	4	0	4	mg/kg
	DPT-24	2700	5200	7900	mg/kg
	DPT-25	2700	3800	6500	mg/kg
	DPT-30	840	1300	2140	mg/kg
	Average	1210	2049	3259	mg/kg
		80% due to carbon overlap =		**2607**	**mg/kg**

15 to 20	DPT-4	850	640	1490	mg/kg
(20')	DPT-5	2000	2800	4800	mg/kg
	DPT-6	3100	8600	11700	mg/kg
	DPT-7	4400	2000	6400	mg/kg
	DPT-8	5500	1000	6500	mg/kg
	DPT-9	850	1200	2050	mg/kg
	DPT-10	2800	3200	6000	mg/kg
	DPT-11	1900	1800	3700	mg/kg
	DPT-12	130	87	217	mg/kg
	DPT-21	6.9	11	17.9	mg/kg
	DPT-24	780	1300	2080	mg/kg
	DPT-25	680	720	1400	mg/kg
	DPT-29	1600	580	2180	mg/kg
	DPT-30	770	2900	3670	mg/kg
	Average	1812	1917	3729	
		80% due to carbon overlap =		**2983**	**mg/kg**

20 to 25	DPT-4	11000	6100	17100	mg/kg
(25')	DPT-6	1.3	0	1.3	mg/kg
	DPT-7	16000	11000	27000	mg/kg
	DPT-8	0.46	0	0.46	mg/kg
	DPT-9	9800	4300	14100	mg/kg
	DPT-10	830	990	1820	mg/kg
	DPT-11	1.2	0	1.2	mg/kg

DPT-12	0.57	0	0.57	mg/kg
DPT-20	1.6	0	1.6	mg/kg
DPT-22	970	1700	2670	mg/kg
DPT-23	3.1	6	9.1	mg/kg
DPT-24	70	74	144	mg/kg
DPT-25	190	520	710	mg/kg
DPT-28	17	53	70	mg/kg
DPT-29	770	520	1290	mg/kg
DPT-30	1700	8	1708	mg/kg
DPT-33	1700	2200	3900	mg/kg
Average	2533	1616	4149	
	80% due to carbon overlap =		**3319**	**mg/kg**

Weight and Volume of TPH in Soil
Water Tank Area

Location	Estimated Area		Estimated Thickness		Estimated Volume		Estimated Volume		Estimated Weight		Estimated Weight		Average Concentration		TPH Weight	
0 to 5	360	ft^2	5	ft	1,800	ft^3	67	cy	100	tons	90,700	kg	20,000	mg/kg	1,814	kg
5 to 10	1,600	ft^2	5	ft	8,000	ft^3	296	cy	444	tons	403,111	kg	5,416	mg/kg	2,183	kg
10 to 15	3,300	ft^2	5	ft	16,500	ft^3	611	cy	917	tons	831,417	kg	4,755	mg/kg	3,953	kg
15 to 20	7,800	ft^2	5	ft	39,000	ft^3	1444	cy	2,167	tons	1,965,167	kg	2,021	mg/kg	3,972	kg
20 to 25	9,500	ft^2	5	ft	47,500	ft^3	1759	cy	2,639	tons	2,393,472	kg	6,451	mg/kg	15,440	kg
														total =	**27,363**	**kg**
														total =	**60,324**	**lbs**
														total =	**8,871**	**gls**

	Boring	TPH-g Concentration	JP-5 Concentration	Total Concentration	
0 to 5 (5')	DPT-17	14000	11000	25000	mg/kg
		80% due to carbon overlap =		**20000**	**mg/kg**

5 to 10 (10')	DPT-17	5000	6800	11800	mg/kg
	DPT-19	830	910	1740	mg/kg
	Average	2915	3855	6770	mg/kg
		80% due to carbon overlap =		**5416**	**mg/kg**

10 to 15 (15')	DPT-17	7200	10000	17200	mg/kg
	DPT-18	630	0	630	mg/kg
	DPT-19	0.72	0	0.72	mg/kg
	Average	2610	3333	5944	mg/kg
		80% due to carbon overlap =		**4755**	**mg/kg**

15 to 20	DPT-17	0.86	7	7.86	mg/kg
(20')	DPT-18	160	23	183	mg/kg
	DPT-19	0.45	0	0.45	mg/kg
	DPT-34	0.65	0	0.65	
	DPT-35	6.4	14000	14006.4	mg/kg
	DPT-37	520	440	960	mg/kg
	Average	115	2412	2526	
		80% due to carbon overlap =		**2021**	**mg/kg**

20 to 25	DPT-17	370	200	570	mg/kg
(25')	DPT-34	8400	12000	20400	mg/kg
	DPT-35	1400	2000	3400	mg/kg
	DPT-36	0.9	14	14.9	mg/kg
	DPT-38	13000	11000	24000	mg/kg
	DPT-40	0.67	0	0.67	mg/kg
	Average	3862	4202	8064	
		80% due to carbon overlap =		**6451**	**mg/kg**