CONCRETE DEMOLITION AND SOIL CONFIRMATION SAMPLING COMPLETION REPORT

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

February 13, 2013

Prepared by

PARSONS

100 WEST WALNUT STREET • PASADENA • CALIFORNIA 91124

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ABBREVIATIONS AND ACRONYMS

µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
1,2-DCA	1,2-dicloroethane
ACM	asbestos-containing material
AES	American Environmental Specialists
AFRC	Air Force Reserve Command
AQMD	Air Quality Management District
AST	aboveground storage tank
Bgs	below ground surface
BMPs	best management practices
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAC	certified asbestos consultant
CalOSHA	California Occupational Safety and Health Administration
CDWR	California Department of Water Resources
COPCs	chemicals of potential concern
CHP	California Highway Patrol
DESC	Defense Energy Support Center
DFSP	Defense Fuel Support Point
CHHSL	California Human Health Screening Levels
DLA	Defense Logistics Agency
DOT	Department of Transportation
DPT	direct-push technology
JP	jet propellant
KMEP	Kinder Morgan Energy Partners, L.P.
LBP	lead base paint
MCL	Maximum Contaminant Level
mg/kg	milligrams per kilogram
Msl	mean sea level
MTBE	methyl tertiary-butyl ether
NOI	notice of intent
NPDES	National Pollutant Discharge Elimination System
OWS	oil water separator
PID	photoionization detector
PPE	personal protective equipment
PSP	Project Safety Plan
RSL	Regional Screening Level
RWQCB	Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
SCG	soil cleanup goals
SFPP	Santa Fe Pacific Pipeline, L.P.
SVOC	semivolatile organic compounds
SWPPP	storm water pollution prevention plan
SWRCB	State Water Resources Control Board
TBA	tertiary-butyl alcohol
TFS	truck fill station
the Site	DFSP Norwalk facility
TPH	total petroleum hydrocarbons

ABBREVIATIONS AND ACRONYMS

TPHd	total petroleum hydrocarbons as diesel
TPHjf	total petroleum hydrocarbons as jet fuel
TPHg	total petroleum hydrocarbons as gasoline
USA	underground services alert
USACE	U.S. Army Corps of Engineers
USCS	Unified Soils Classification System
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOCs	volatile organic compounds
Workplan	*Concrete Demolition and Soil Confirmation Sampling Workplan*

1 INTRODUCTION

Parsons prepared this report on behalf of the Defense Logistics Agency Energy (DLA), formerly known as the Defense Energy Support Center (DESC), to outline the procedures conducted for the removal of concrete associated with the former aboveground storage tank (AST) areas, the truck fueling stations (TFS), the pump houses and manifold stations, the water and slop tanks, secondary containment channels, and various building footing foundations at Defense Fuel Support Point (DFSP) Norwalk facility (Site). This report also outlines the removal of underground piping and conduit, an oil water separator (OWS) and associated underground storage tank (UST) and storm drain conduit, two septic tanks and cesspools, and green waste. After removal of these structures, confirmation soil sampling was also conducted under all concrete removal areas as well as from all the berms.

This report presents the procedures, quantities, and analytical results associated with the confirmation soil sampling. Also presented herein, are the abatement procedures of asbestos-containing material (ACM) that was encountered during removal of underground piping.

This work was implemented in accordance with the *Concrete Demolition and Soil Confirmation Sampling Workplan* (Workplan), dated April 11, 2011[1]. This Workplan was approved by the Regional Water Control Board (RWQCB), Los Angeles region on May 3, 2011 (Appendix A). All the work activities proposed in the workplan were conducted within the Site located at 15306 Norwalk Boulevard, Norwalk, California (Figure 1). The work presented in this report was conducted under the supervision of the RWQCB.

[1] Parsons, 2011. Concrete Demolition and Soil Confirmation Sampling Workplan. Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California, April, 2011.

2 BACKGROUND

The following sections summarize relevant Site background information.

2.1 Site Description

The DFSP Norwalk facility is a 47-acre facility consisting of 12 former ASTs and associated piping and facilities (Figure 2). DLA is responsible for cleanup and remediation at DFSP Norwalk. The ASTs 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 TFS and various fuel transfer systems. Figure 3 presents the historical Site features. The entire facility was decommissioned in 2001 and is no longer used to store and handle fuel. All twelve steel ASTs and above ground piping associated with these ASTs, have been removed by the U.S. Army Corps of Engineers (USACE).

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 the Site for operation of its pipelines. Three pipelines heading eastward along the southern boundary of the DFSP facility (one of which bends at the southeastern corner of the facility and continues northward within the eastern easement) remain in service and continue to convey refined petroleum fuel including gasoline, diesel, and jet fuel. The pipelines are fitted with block valves, two of which are located along a 24-inch-diameter pipeline and within areas currently undergoing remediation by SFPP. One block valve is located in the south-central portion of the site and is referred to as the "intermediate 24-inch block valve." The other block valve is located offsite near the southeastern area of the site and is referred to as the "southeastern 24-inch block valve" or "offsite 24-inch block valve."

An abandoned 10-inch diameter pipeline, likely owned or formerly operated by Golden West Pipeline, also runs along the eastern boundary of the Site. DLA has decommissioned the Site, but SFPP continues to operate their pipelines.

2.2 Site Setting

The ground surface elevation is approximately 75 feet above mean sea level (msl). Land use in the immediate vicinity of the Site is primarily residential to the north, west, and south. Holifield Park, a City recreational facility, is located adjacent to and east of the Site. Dolland Elementary School is located east of Holifield Park and approximately 500 feet east of the Site.

2.2.1 Geology

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 mixtures and layers of sand, gravel, silt, and clay. The underlying Lakewood Formation consists 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[2].

Lithologic logs of borings drilled during previous investigations indicate that sediments beneath the Site consist of clayey silt, sandy silt, silty sand, fine to coarse-grained sand, and deeper coarse-grained sand with granitic cobbles. The top of a clay layer, preliminarily identified as the uppermost sediment layer of the Bellflower Aquitard, was encountered at a depth of approximately 55 to 65 feet during previous investigations[3].

2.2.2 Hydrogeology

A shallow semi-perched aquifer, consisting of silt and fine to coarse sand, exists in the alluvial sediments underlying the Site. Groundwater from this semi-perched aquifer was reported between 22.25 feet below ground surface (bgs) (well GMW-O-7) and 36.51 feet bgs (well GMW-26) in October 2010. The water level data indicate that groundwater flow direction within this aquifer is generally toward the north. This shallow aquifer is approximately 30 to 35 feet thick, based on the inferred presence of a clay layer (aquitard) at approximately 55 to 65 feet below grade[1]. The Exposition Aquifer underlies the aquitard. Groundwater depths within the Exposition Aquifer ranged between 50.35 feet bgs (well EXP-5) and 56.65 feet bgs (well EXP-2) during October 2011. The groundwater elevation data indicate that flow within this aquifer is toward the east/southeast.

2.3 Site Environmental Conditions and Chemicals of Potential Concern

Soil and groundwater at the Site were found to be impacted with various volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and total petroleum hydrocarbons (TPH). The primary chemicals of potential concern (COPCs) at the Site are TPH as jet fuel (TPHjf), TPH as gasoline (TPHg), methyl tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), and benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds. These COPCs have been found in soil and groundwater underlying various portions of the Site. In each area, the COPCs were attributed to one or more sources. These COPCs were encountered in free phase, dissolved phase, adsorbed phase, or vapor phase in soil and/or groundwater. DLA and KMEP are currently conducting extensive remediation and monitoring programs for the impacted soil, soil gas, and groundwater underlying the Site.

Active groundwater and soil vapor treatment systems operated by DLA are located in the northern portion of the Site, which consists of an extensive network of above ground and below ground piping. This piping links the groundwater and soil treatment systems to groundwater monitoring and recovery wells located within the AST areas and throughout

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[2] California Department of Water Resources (CDWR), 1961, Bulletin No. 104 – *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County* (Appendix B – Ground water Geology). June (reprinted May 1991).

[3] Groundwater Technology Government Services, Inc. (GSI), 1995, *Final Remedial Action Plan Report Defense Fuel Supply Point Tank Farm Area, Norwalk, California*, September 14.

[1] GSI, 1995.

the site. A groundwater and soil vapor treatment system is also located in the southern part of the Site and operated by KMEP.

3 SCOPE OF WORK COMPLETED

The pre-field activities, scope of work, and field activities are described in the following sections.

3.1 Utilities and Geophysical Survey

Prior to commencement of field activities, a geophysical locator was brought on Site to identify all subsurface utilities. The utilities were marked on the ground and a utility location map was provided by the subcontractor (Appendix B).

Prior to intrusive work associated with soil confirmation sampling, locations where soil borings were proposed were also geophysically cleared for utilities. Underground Service Alert (USA) was notified of intent to conduct subsurface activities at these locations, at least 72 hours prior to initiation of intrusive field tasks. All proposed locations of the subsurface investigation were clearly marked with white paint or red flags as required by USA. USA contacted all utility owners of record within the Site vicinity and notified them of our intentions to conduct subsurface investigations in proximity to buried utilities. All utility owners of record, or their designated agents, clearly marked the position of their utilities on the ground surface throughout the area designated for investigation.

Live fuel lines owned and operated by KMEP are located along an easement in the southern and eastern perimeters of the Site. These lines are located within a KMEP leased area, just west of the former pump houses and along the eastern perimeter fencing abutting Holifield Park. All activities conducted in the vicinity of the KMEP leased and pipeline easement were conducted in coordination with a KMEP representative.

A city water main is also located in the southern portion of the Site, entering along the southeastern gate. Location of this water main is presented in the Workplan (Parsons, 2011a). The exact location of this water main was identified by geophysical survey and potholing prior to conducting any work in its vicinity.

Live electrical lines located in the southern portion of the Site, located within the former pumphouses, were disconnected and diverted in coordination with Southern California Edison.

3.2 Permitting

All necessary permits for removal activities, transportation, and air quality were obtained prior to demolition activities. The permits were kept on-Site and made available for inspection during working hours. The following permits were obtained and are presented in Appendix C:

- California Occupational Safety and Health Administration (CalOSHA) Various Location Annual Trenching/Excavation Permit
- Procedure 5 Air Quality Management District (AQMD) Notification
- City of Norwalk Traffic Control Permit
- Rule 1166 AQMD Permit.

In accordance with South Coast AQMD (SCAQMD) Rule 403 (fugitive dust control) permit requirements, a fugitive dust emission control plan was prepared prior to start of excavation. SCAQMD Rule 401 (visible emissions) and Rule 402 (nuisance dust) requirements were satisfied during the course of the work.

In order to prevent delays associated with SCAQMD Rule 1166/1149 permit requirements, a Various Location Rule Permit was obtained by the contractor prior to start of excavation.

3.3 Regulatory Compliance

The safety and protection of the workers, public, and the environment were given the highest priority during the removal activities. All work performed during this demolition and sampling activities required a minimum of Level D personal protective equipment (PPE). Asbestos abatement personnel working in the exclusion zone required the addition of full suits and HEPA filtered, dual cartridge half-face respirators. Copies of the on-Site logs, including those for the daily tailgate safety meetings, and dust and air emissions monitoring, were collected and provided Appendix D. All work performed at the Site was conducted in accordance with the approved Project Safety Plan (PSP). The health and safety requirements are further defined in Section 6.0 of the Workplan (Parsons, 2011a). Environmental measures implemented at the Site included the following:

- Engineering controls and personal protective measures as provided in the Site-specific PSP;
- Storm Water Pollution Prevention Plan (SWPPP) and measures;
- Air emissions monitoring of VOCs using a photoionization detector (PID);
- Real-time dust monitoring and control;
- Asbestos air sampling in asbestos abatement work areas;
- Noise control and perimeter and work area noise monitoring to comply with city ordinances and CalOSHA requirements; and
- Traffic controls requirements.

Each of these measures is addressed in the following sections.

3.3.1 Storm Water Pollution Prevention

All storm water management systems complied with the procedures outlined in United States Environmental Protection Agency (USEPA) guideline manual "*Processes, Procedures and Methods to Control Pollution Resulting From All Construction Activity"* (USEPA, 1973), and in compliance with the State Water Resources Control Board (SWRCB) requirements of order Number 2009-009-DWQ, effective July 1, 2010. Because this project resulted in a disturbance of more than 1 acre, the project required a SWRCB National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activities (General Permit) if there are plans to discharge any flows in to the storm drain. As defined by SWRCB Order No. 99-08-DWQ, a General Permit is required for "construction projects that result in disturbance of one acre of total land area." A SWPPP was prepared by the contractor and storm water pollution control best management practices (BMPs) were implemented in

areas surrounding the demolition to minimize/mitigate storm water run-on/run-off (Appendix E). The berms around the tank farm area were left intact to prevent run-off from exiting this area. One section of the perimeter berm (approximately 50 feet long), located where the former transfer fuel lines crossed underneath the berm, was removed to facilitate the removal of the transfer fuel lines. This section of berm was reconstructed on December 14, 2012 with sandbags. Sandbags were stacked three high and embedded approximately 6-inches into the remaining berm on each side of the removal in compliance with SWPPP BMPs.

Prior to demolition activities, active storm water catch basins/drains near the work areas were secured with temporary BMPs such as berms/sandbags allowing for the filtration of storm water such that the solid particulate matter were removed from water entering the catch basins. In addition, engineering controls were implemented to prevent storm water run-on/run-off from impacting Site operations. These controls met engineering BMPs and at a minimum consisted of sandbags, plastic sheeting, and berming. These BMPs were monitored on a daily basis to make sure that there are no potential breaches in the system that would allow storm water to enter or exit the Site. SWPPP monitoring logs are presented in Appendix E.

3.3.2 Dust and Fugitive Emissions

To comply with the SCAQMD rules and the PSP, dust control measures were implemented during demolition activities. Potential dust and fugitive emission receptors included on-Site workers, Site personnel, oversight personnel, general public, pedestrians adjacent to the Site, and nearby workers and residents. A primary objective of these measures was to protect these potential receptors. The closest sensitive receptors were identified as the residents to the north, south, and west and Holifield Park users to the east, and Dolland Elementary School adjacent to Holifield Park to the east. Typical dust control measures, including water spray were used during concrete demolition and disturbance of soil. During these activities water spray was considered an adequate mitigation measure to minimize dust and odors. Use of environmentally safe additives (such as Simple Green) for vapor suppression was not found to be necessary during this work. Special considerations were applied during concrete demolition and loading operations, in which concrete size reduction and other grinding/cutting activities were performed in the interior of the lot, to mitigate against air-born material.

Dust levels were monitored during excavation and loading activities at the Site perimeters. During the course of the work, monitoring data at the Site perimeters did not indicate that dust levels were beyond the SCAQMD Rule 403 limit of 50 micrograms per cubic meter ($\mu g/m^3$) (based on the difference between upwind and downwind measurements). Stockpiles of any potentially contaminated material left overnight, were properly covered with plastic to reduce any dust emission. The equipment used for the Site demolition was maintained properly so that exhaust emissions were within acceptable standards. Tires of transport trucks were washed in order to prevent tracking of soils or mud outside the Site perimeters.

Additionally, silica dust sampling as a result of concrete demolition was also conducted in the initial phase of the demolition activities, in order to determine if workers could be

exposed to elevated levels of silica. Results indicated that silica did not pose a threat to site workers.

Dust monitoring and silica sampling data is presented in Appendix F.

3.3.3 Noise

The purpose of the noise monitoring and control plan was to identify noise sources, receptors, monitoring methods, and to reduce the noise level during the Site remediation operation via engineering mitigation measures. Potential noise receptors consisted of on-Site workers, Site personnel, oversight personnel, general public, pedestrians adjacent to the Site, and nearby workers and residents. A primary objective of the selected remedial action was to protect these potential noise receptors. Expected sources of noise during remediation included typical construction equipment, such as heavy pneumatic concrete breakers and crushing machinery, saw-cutting, and generator operation. At a minimum, the following were incorporated into the demolition operations:

- Manufacturer's equipment specifications were reviewed and consulted for anticipated noise levels, and mitigation measures for reduction of noise.
- Equipment operation was generally limited to daylight hours, Monday through Friday. After daylight hours and during weekends work was not performed.
- The excavation equipment used at the Site was properly and routinely maintained such that their noise levels were relatively low for sensitive receptors.
- Appropriate workers noise protection gear (i.e. ear plugs) was required within the exclusion zone, when noisy operations were conducted (i.e. concrete cutting).
- Concrete cutting, and other size reduction ("munching") was done in the interior of the lot, away from general public, and away from the closest sensitive receptors, identified immediately to the east of the site.

Noise monitoring data is presented as part of Appendix F.

3.3.4 Transportation Plan

All transportation activities were performed in strict compliance with all regulations and ordinances. The hauling contractor(s) used to transport concrete was fully licensed and permitted by the USEPA and the State of California. All Department of Transportation (DOT) and California Highway Patrol (CHP) safety regulations were strictly followed. A City approved traffic control plan was prepared by the subcontractor chosen for the demolition activities, and is presented in Appendix C.

Transportation equipment was chosen to safely transport the expected volumes of concrete, taking into consideration the types of roads to be traveled and their load capacity.

Trucks used only the pre-planned and authorized routes presented in Contractor transportation plan. The waste was off-loaded for recycling or disposal in a manner consistent with current USEPA, State, and local regulations.

Trucks used for the off-Site transportation of contaminated concrete and debris remained on clean areas, to the extent possible, to minimize the need to decontaminate the truck

tires. During loading, dust and odor emissions were monitored and mitigated, as necessary. The hauling trucks were equipped to fully cover all soil and debris during transportation. At a minimum, the concrete and debris were tightly covered by a heavy tarpaulin. Depending on the nature of the waste, all export material was transported and disposed of in permitted/licensed facilities.

3.4 Mobilization

The general sequence of mobilization to the Site consisted of the following:

- All applicable and necessary permits were secured (Appendix C).
- USA was contacted to identify all proximal underground utilities. Each utility was conspicuously marked. Potholing was conducted to confirm location of utilities that potentially interfered with proposed activities.
- The demolition contractor mobilized necessary equipment and supplies to the Site and prepared for demolition activities.
- Temporary facilities and utilities, such as portable toilets, hand-washing stations, and electrical and telephone services were installed, as needed.
- Work zones, including the exclusion, decontamination, and support zones were identified and clearly demarcated. Exclusion zones included all areas of demolition, contaminated concrete staging areas, and the truck loading area. The decontamination zone was located immediately adjacent to the exclusion zone for the purposes of decontaminating personnel, equipment, and vehicles as they exited the exclusion zone. The support zones were located within the designated work area, but outside of the exclusion and decontamination zone. The support zones were used to temporarily store equipment, vehicles, clean concrete, and accommodate project personnel.
- The contaminated concrete staging areas were identified and clearly marked.
- All health and safety equipment and supplies were strategically positioned for use when needed.
- Other Site-specific precautionary measures, including but not limited to provisions against dust, odor, VOC, and storm run-off migration off-Site, were implemented, as necessary.

The Air Force Reserve Command (AFRC) performed an above ground ACM and lead based paint (LBP) survey and the results were presented by EA Engineering, Science, and Technology to the AFRC in a report letter dated March 12, 2010[4]. Above ground ACM and LBP were identified and abated prior to the USACE demolition activities. Prior to commencement of this scope of work, Parsons and subcontractor reviewed the survey results and all areas proposed for demolition were inspected for presence of potentially hazardous materials. These areas were inspected for ACM, LBP, potentially originating from epoxy, mastic, wrapping, and lead anodes. During the demolition

[4] EA Engineering, Science, and Technology, 2010. Re: Task 0004 – March ARB – Norwalk Tank Farm – SOW Title II Subtask #2 – Environmental Services – Draft, March 12.

activities, additional ACM was encountered and is further discussed in Section 3.6.10 below. No LBP surfaces were encountered during the demolition activities.

3.5 Concrete and Asphalt Demolition and Recycling/Disposal

Prior to project activities, above ground steel was removed by the USACE in spring 2011. After the initial tank demolition activities, all on Site concrete structures were left behind. These concrete structures were the targeted demolition structures for this phase of work. The areas of concrete removal are presented in Figure 3 and Figure 4 and are outlined as follows:

- Seven (7) 120 foot diameter fuel tanks.
- One (1) 60 foot diameter water tank.
- One (1) 35 foot diameter slop tank.
- Main (Air Force) Pump house and manifold pit.
- El Toro (Navy) Pump house and manifold.
- El Toro (Navy) Lift Station.
- Entire concrete areas around the pump houses and sump pumps.
- Three (3) TFS.
- Concrete driveway adjacent to TFS.
- One (1) secondary concrete containment channel that was used for piping. Channel ran north/south from the northern berm to the most southern berm, located along tank areas 88007 and 55003.
- One (1) Maintenance Building concrete foundation.
- One (1) secondary concrete containment foundation around the small tank to the west of the slop tank.
- Two (2) secondary concrete containment foundations around the 2 small tanks at the east edge of the El Toro Pump Station.
- Two storm drain water lift stations
- Maintenance Building Foundation.
- Additional asphaltic concrete surfaces within the demolition areas will also be removed and transported off-Site.

A total of 9,264.8 tons (Table 1) of concrete was shipped off-site and recycled. Concrete weigh tickets are presented in Appendix G. All concrete associated with the Site features listed above has been removed from the Site, with the exception of a section of the former El Toro pump house. This portion of the pumphouse extended approximately 6 feet below grade, and was found within two feet of a live subterranean 24-inch diameter KMEP pipe. In order to minimize potential disturbance of this live pipe during demolition, a plan was developed to keep in-place the portion of the western pump house wall and pump foundation in the vicinity of the 24-inch diameter live pipe (Attachment H). After removal of the remaining pump house walls and slab, the depression was backfilled with imported soil against the western pump house wall and pump footing, found to retain against the live 24-inch diameter pipe.

Minor sections of asphalt were also removed during the concrete demolition activity. This included asphalt within the pumphouses and in the vicinity of the former water tank.

A total of 169.26 tons of asphalt (Table 1) were removed from the site. Asphalt weigh tickets are presented in Appendix G.

3.6 Additional Demolition Activities

After the completion of the USACE contract work, several subsurface pipes, conduits, and structures were left behind and were proposed for removal as part of this scope of work. In addition, there were other areas and features of the Site that were no longer needed or posed a safety hazard which were removed. Concurrent with the concrete demolition activities, the following demolition activities were performed at the Site.

3.6.1 Green Waste

All green waste encountered within the interior of the Site was removed. This includes removal of all green waste and debris generated during the AST removal, all trees, and shrubs. Grass within the interior of the Site and plants on the outside perimeter fences remained in-place and their maintenance has continued as part of the periodic Site maintenance activities. A total of 16 loads of green waste were disposed of from the Site.

3.6.2 AST Steel, Transfer Fuel Piping, and Additional Fuel Pipes

Prior to demolition of the AST concrete pads, the steel bottom from each AST pad was removed. Several pads were found to be lined with fiberglass. The fiberglass was scraped off each pad using an excavator and segregated for disposal. Each steel pad was then folded and cut into manageable pieces for recycling. A total of 376.38 tons of steel were removed and recycled from the AST pads. Weigh tickets are presented in Appendix G.

A series of underground transfer fuel piping remained on Site prior to demolition activities. Previously, the transfer pipes were connected to the Main Manifold Pit in the southern portion of the Site. The location of the pipes is shown in Appendix H Sheet Po-004. The pipes ran up to two feet below ground just west of the TFS and slop tank area and surfaced just north of the southern perimeter berm within a concrete containment channel. North of the southern perimeter berm, these pipes were contained within the concrete containment system, and were connected by a series of lateral piping to the former fuel ASTs. The pipes ranged in size between 8- to 18-inches in diameter. The above ground portion of these pipes was removed as part of the initial phase of Site demolition conducted by the USACE. Where the pipes were disconnected at the southern portion of the perimeter berm the pipes were capped with concrete inside the berm.

The underground section of the transfer piping was proposed for removal in the work plan (Parsons, 2011). A total of ten pipes were identified. Prior to removal, each pipe was investigated in order to assess if any liquid or sludge contents was present. Additionally, after inspection, out of the ten pipes three were found to be wrapped in friable ACM. Handling, cleaning, and disposal of the ACM pipes was conducted by a licensed asbestos subcontractor and is further discussed in Section 3.6.10 below.

Prior to cutting windows in the top of each pipe, the liquid found in the pipe was sampled and analyzed. Analytical results are presented in Appendix I. Hazardous liquids (i.e. fuel hydrocarbons) were encountered, consisting of a fuel product and water mix. Precautions were taken in order to pump the pipe contents into a containment system for shipment to

a licensed disposal facility. The pipes were then decontaminated (steamed washed and rinsed) and vapors were monitored for any potentially flammable gasses. Rinsate fluids were disposed along with the pipes contents to the licensed disposal facility. After decontamination activities the pipes were certified by a marine chemist for disposal (Appendix J). The pipes were then removed and disposed of as recyclable material. Waste water manifests are presented in Appendix K. A total of 2,584 feet of non-ACM wrapped transfer fuel pipes were removed from the Site and recycled (Table 1). In addition, a total of 2,099 feet of ACM wrapped fuel transfer piping (diameters ranging from 8- to 14-inch) was removed and disposed at an approved landfill facility.

The northern section of the terminal pipes, were imbedded in the southern perimeter berm. At that location, approximately 135 cubic feet of berm were removed in order to access the pipes. After removal of the pipes, the berm was reconstructed using sandbags (Section 3.3.1).

An additional 7,643 feet of non-ACM wrapped fuel pipes were encountered at the Site. These lines included the following:

- 6,643 feet of 4-inch diameter bell end steel pipes. The original use of these pipes was undetermined and no documentation showing these pipes was found. These pipes were found to be connected to the onsite fire water system and to each AST pad within the bermed areas. Some residual fuel and water mix was encountered within these pipes, and therefore were handled as fuel lines.
- 1,000 feet of pipes of various diameters (generally 4-inch to 10-inch) from the TFS.

All additional pipes found to be contaminated with residual fuel were cleaned and handled using the procedures described above.

3.6.3 Fire Water/Foam Prevention System

A fire water/foam prevention system was present at the Site. Although the system was not active prior to demolition activities, it was found to be under pressure from two water supply mains: one located on the northern end of the site from Excelsior Drive and a second supply line from two fire hydrants located south of the southern perimeter berm. In consultation with the local fire department, the system was deactivated from these two main water supply lines, and the active lines were capped in place. Prior to removal of the fire water pipes, potholing was also conducted to confirm the approximate location of the pipes within the bermed areas. During potholing activities, sections of the fire water pipe system were found to be wrapped in ACM, whereas other sections were not. The inconsistency in the wrap material was attributed to potential upgrades or changes that may have occurred to the fire water protection system at various stages in time. A total of 6,934 feet of ACM wrapped fire water pipes were removed and disposed at a land fill, whereas a total of 362 feet of non-ACM fire water pipes were recycled.

3.6.4 Septic Tanks

Four septic tanks were identified in the Workplan, however, two of the septic tanks were found to be located within the KMEP land lease area. One of the septic tanks was located additionally north of the latrine and storage area (Figure 3). The second septic tank was

found just south of Lift Station #1 (Figure 3). All other septic tanks identified on Figure 3 were not removed as these were located within the KMEP lease area. Material accumulated from the demolishing of these septic tanks was analyzed and analytical data is presented in Appendix I. Due to no significant chemical results found in this material and the low volume of material produced (approximately 12 tons), this material was disposed of along with the contaminated non-hazardous soil at the thermal treatment facility.

3.6.5 Storm Water System

A former storm water system was present on Site and consisted of approximately 10 manholes, 14 catch basins, 10 gate valves, two lift stations, and 8-inch to 18-inch diameter piping. The Site storm drain system was designed to catch run-off water within the isolated AST areas and direct it to the OWS through a pipe network. The Site storm drain system is shown in Appendix H Sheet C-10. This entire system was removed as part of this work.

A major portion of the piping associated with this system was found to be composed of ACM transite pipe, whereas other portions of it were found to be steel pipes. Transite pipes were removed by a certified asbestos subcontractor. A total of 2,877 feet of ACM (transite) storm drain pipes were disposed from the Site, whereas a total of 2,376.50 feet of non-ACM steel pipes were recycled (Table 1).

After removal of the storm drain system, a SWPPP has been prepared for the Site by the remediation contractor and has been submitted to the Los Angeles RWQCB and approved by DLA. Maintenance of the SWPPP by the remediation contractor is current and on-going.

3.6.6 Oil Water Separator

The OWS was connected to the Site storm drain system, and was removed as part of this work. The location and details of this structure is presented in Appendix H Sheet C-10.

The OWS consisted of a concrete pit which was approximately 61-feet wide by 39-feet long and 7-feet deep. At the bottom of this pit were the effluent sump (approximately 12-feet in depth below the bottom of the pit) and the OWS tank and concrete supports (approximately 10 feet in depth below the bottom of the pit). Additionally, a 3,500-gallon precast waste tank was located just east of the OWS. The waste tank was accessible through a 30-inch manhole at surface.

All piping and metal structures associated with this system were inspected and disconnected prior to the demolition activities. All fluids associated with these structures were sampled (Appendix I) and removed (Appendix K) prior to demolition activities. All concrete and metal associated with this structure was segregated for recycling.

3.6.7 Interior Berms Demolition

Soil samples from the berms were collected in April 2011. The goal of this effort was to determine if the soil berms, or portions of the berms, are impacted and should be removed as part of the overall environmental cleanup of the site – or if they are not impacted and will remain on-site for a potential future developer to deal with. Results of

this sampling activity are presented in Section 4 below. As a result of this sampling, it was determined that the berms were not impacted from the former Site activities and that the berms should not be removed as part of the environmental remediation strategy for the site.

A portion of the southern perimeter berm, approximately 135 cubic yards, was removed in order to access the transfer fuel pipes embedded in this berm (see Section 3.6.2 above). This berm was partially reconstructed in order to satisfy SWPPP requirements (see Section 3.3.1).

3.6.8 Export of Contaminated Soil

Non-hazardous contaminated soil was encountered as a result of the removal and demolition of the above mentioned concrete structures. Initial screening of the soil was conducted in the field during concrete demolition activities using a PID. Per AQMD Rule 1166 guidance, PID detections above 50 parts per million (ppm) determined the segregation of VOC impacted soil, from non VOC impacted soil (<50 ppm). Contaminated soil was encountered in the following areas:

- Lift station #1
- OWS
- Northern portion of the transfer fuel pipe area
- Southern portion of the transfer fuel pipes concrete conduit channel
- AST-20001 water tank area
- TFS
- Along a portion of the 4-inch diameter steel bell ends pipes in AST area 55003
- Pumphouses.

As a result, approximately 1,856.84 tons (Table 1) of contaminated soil were removed and disposed of off-site. Immediately after removal of the contaminated soil, soil samples were collected and analyzed for waste profiling. Soil analytical results are presented in Appendix I. Weigh tickets and waste manifests are presented in Appendix G and L, respectively. Excavated soil stockpiles were placed on top of, and covered with, plastic sheets until disposal.

3.6.9 Import Soil

As a result of depressions formed after the removal of concrete structures (i.e. pumphouses, OWS), and the excavation and disposal of contaminated soil, clean backfill material was imported to the Site to backfill these topographic depressions. A total of 3,843.38 tons of clean soil was imported from the Vulcan Quarry facility in Azusa. A backfill soil sample was collected from the borrow site prior to import of the material. Seven additional soil samples were collected from the imported material at the Site: four samples from the first 1,000 cubic yards (approximately 1,500 tons), and three additional samples for each additional 500 cubic yard (approximately 750 tons). The soil samples from the borrow site was analyzed in accordance with DTSC Information Advisory for Clean Imported Material (DTSC October 2001), whereas all import soil samples at the Site were analyzed for VOCs, TPH, and Title 22 Metals (Appendix I) . Weigh tickets for all imported soil are presented in Appendix G.

3.6.10 ACM Abatement

During removal of below grade fire suppression system, storm drain system, and fuel transfer piping; some piping encountered was either transite or wrapped in ACM. ACM surveys were conducted by Forensic Analytical, Gale/Jordan, and American Environmental Specialists (AES). Based on results of asbestos surveys, the following quantities of ACM and ACM-coated piping have been removed:

- 1,337 linear feet of 14-inch diameter ACM fuel transfer piping
- 696 linear feet of 10-inch diameter ACM fuel transfer piping
- 66 linear feet of 8-inch diameter ACM fuel transfer piping
- 10 linear feet of 4-inch diameter non-ACM miscellaneous piping
- 386 linear feet of 2-inch diameter non-ACM miscellaneous piping
- 929 linear feet of 18-inch diameter storm drain transite piping
- 456 linear feet of 14-inch diameter storm drain transite piping
- 471 linear feet of 10-inch diameter water main transite piping
- 6,769 linear feet of 6-inch diameter ACM fire suppression system piping
- 165 linear feet of 4-inch diameter ACM fire suppression system piping
- 1,492 linear feet of 6-inch diameter storm drain transite piping
- 352 linear feet of 6-inch miscellaneous non-ACM piping
- 30 linear feet of 14-inch diameter non-ACM steel piping.

Metalclad Insulation, a California-licensed asbestos abatement contractor, was retained to perform removal of the ACM piping. Metalclad followed their Parsons-approved health and safety plan and operations plan. A California-certified asbestos consultant (CAC) employed by AES was on-site to oversee all abatement activities. AES prepared a procedure 5 notification outlining the abatement scope of work which was submitted to SCAQMD by Metalclad before commencement of the project. The AES CAC performed required personnel monitoring in the exclusion zone and at the contamination control line. The procedure 5 notification, along with all ACM abatement records are presented in Appendix M.

Metalclad provided current applicable certifications, as well as, medical and respiratory clearances for all personnel supporting abatement activities at the Site. Metalclad personnel performing abatement activities in the exclusion zone wore full suits; safety glasses; HEPA filtered, dual cartridge half-face respirators; hard hats; high-visibility vests; and steel-toed work boots. Personnel supporting the abatement work outside the exclusion zone wore hard hats, safety glasses, high-visibility vests, and steel-toed boots.

Mechanical excavation of the piping was conducted within approximately 3- to 5-inches above the piping taking care to minimize potential disturbance of the pipe wrap. Piping was then exposed further by hand digging. Soil surrounding excavated piping was cleaned to ensure no visible asbestos wrap present. Residual fluids present in any piping were sampled by Parsons and removed/disposed appropriately. Each section of ACM-wrapped piping was wrapped in 6-milliters plastic sheeting prior to cutting pipe by cold cut or wet methods. Transite pipes were wrapped with 6-milliters plastic and pulled from each bell-end connection. Where transite was found to be tied into concrete structure (i.e. lift station, vaults, etc), concrete was cut to remove transite from structure and concrete

remnants were disposed with transite. Once piping was wrapped, cut, and secured, it was lifted mechanically out of the trench and placed in a 6-milliter poly-lined dumpster. Debris generated from cutting or any other asbestos debris was double bagged in 6-milliters properly labeled bags and placed in the 6-milleters poly-lined dumpster with ACM and transite piping. Upon filling the dumpster, the piping and debris was "burrito wrapped", labeled, secured, and manifested (hazardous) and inspected by AES CAC before leaving the site. A DLA representative signed the manifest prior to the dumpster leaving the site for an approved landfill.

Safety support systems (i.e. shoring, sloping, benching) were implemented for recovery from 4 feet trenches and deeper. Due to type C soil, sloping of 34^{o} was required. Where proximity to interior berms did not allow for this sloping a trench box was used for recovery of piping.

4 CONFIRMATION SOIL AND GROUNDWATER SAMPLING

Confirmation soil and groundwater sampling activities and results are described in the following sections.

4.1 Confirmation Soil Sample Results

Soil delineation below the footprint of the former ASTs and other concrete structures was conducted after concrete demolition activities were completed. The general configuration of these sample locations is illustrated on Figure 5. Exact locations of these soil borings was determined based on removal of the concrete within these areas, and was biased for areas where impact was either observed or expected based on historical soil data within these portions of the Site. Soil analytical results from the confirmation sampling conducted below concrete structures are presented in Figures 6 through 15. In addition, soil was sampled from all the berms located throughout the Site. Soil sampling was conducted at the following areas:

- Four (4) soil borings were conducted at each of the 12 former AST areas (designated DPT-41 through DPT-71, DPT-74 through DPT-80, DPT-88 through DPT-99) and four from the secondary pipeline concrete containment channel (designated DPT-87, DPT-100, DPT-101, and DPT-102), for a total of 50 soil borings. Soil samples were collected at surface, 5 feet, 10 feet, 15 feet, 20 feet, and 25 feet bgs. The first five feet at each location was hand-augered and then direct-push technology (DPT) was used for the deeper soil sampling at these borings.
- 13 soil borings were advanced within the water and slop tanks, TFS, OWS, pump houses, and the maintenance and laboratory buildings. Soil samples were collected at surface, 5 feet, 10 feet, 15 feet, 20 feet, and 25 feet bgs. The first five feet at each location was hand-augered and then DPT was used for the deeper soil sampling at these borings.

Approximately 64 soil borings were completed at the AST containment area berms. These berm sample boring locations were placed at the intersection of berms and halfway between berm intersections (at approximately 150 feet between sample locations). Concrete was cored at the sample boring locations at the center of the berm cross-section and hand augering was implemented to collect soil samples at three discrete depths at each boring location. Soil samples were collected from within the berm cross-section at approximately 1 foot and 3 feet below the top of the berm. The third soil sample was collected at approximately one foot below the berm bottom at about 6-7 feet below the top of the berm (one foot bgs). Figure 16 illustrates the approximate soil sampling locations at the berms.

4.2 Soil Confirmation Sample Collection Method

Soil sample confirmation borings were advanced using DPT involving the use of a hydraulic-powered hammer to advance steel sampling rods. The inside of the rods were lined with acetate sleeves. The rods typically used measure approximately 4 feet in length

and 2-inch in diameter ("Macrocore"™). Once the desired depth was reached, the sampling rods were retracted from the borehole, the acetate sleeve was removed, and the sleeve was cut open for sampling and soil logging. Soil boring logs are presented in Appendix N.

Soil samples for TPHg and VOCs were collected using Encore sampling containers. The samples were then labeled, transferred to a re-sealable plastic bag, chilled in ice and processed through chain-of-custody for shipment to the laboratory.

Soil was also screened for VOCs during drilling by taking "headspace" readings. This involved placing approximately 250 milliliters of soil into a re-sealable plastic bag and measuring the concentration in the VOCs just above the soil inside the plastic bag. The PID probe was inserted into a small opening in the plastic bag to prevent the escape of VOCs, and VOC readings were recorded on the boring logs Appendix N.

A lithologic description of the materials encountered and collected was recorded on boring logs compiled by the field geologist, is presented in Appendix N. Soils were classified in accordance with the Unified Soils Classification System (USCS), and descriptions included soil type, particle size and distribution, color (using the Munsell soil color chart), moisture content, and evidence of contamination (discoloration, unusual odors, etc.). The soil logs also include:

- PID readings,
- Boring number,
- Boring location,
- Sample ID number as shown on chain-of-custody,
- Date and time of boring,
- Sample depths, and
- Other qualities such as odor, stain, foreign materials, etc.

All remaining soil cuttings were combined with contaminated soil excavated, segregated, and disposed of during concrete removal activities (see Section 3.6.8 above).

Upon completion of the bore hole backfilling was conducted using hydrated granular bentonite from bottom of the hole to ground surface.

4.3 Analytical Results from Investigation (DPT) Soil Confirmation Samples

All soil confirmation samples, including berm samples, collected on Site were analyzed for TPHg and TPHjf/TPH as diesel (TPHd) by EPA Method 8015M. Soil samples were also analyzed for VOCs using EPA Method 8260. Soil samples were collected at surface and every 5 feet thereafter, to an approximate total depth of 25 feet bgs, where groundwater is first encountered. Surface samples could not be collected at some locations where asphalt was present (DPT-103), or which were backfilled after removal of deep concrete structures (DPT-104, DPT-105, and DPT-107). Additionally, berm soil samples were also analyzed for Title 22 Metals by EPA Method 6010/7470.

Analytical results indicate that several samples exceed soil cleanup goals (SCGs). SCGs are shown in Table 2, which were approved in a July 12, 2012 letter from the California

RWQCB, Los Angeles Region[5]. TPH, BTEX, and oxygenate results are presented in Table 3 and Figures 6 through 15. In general, exceedances for TPHg (Figure 6), TPHd (Figure 7) and TPHjf (Figure 8) were encountered across the same soil intervals as BTEX (Figures 9 through 12) and oxygenates (1,2-DCA, MTBE, and TBA; Figures 13 through 15, respectively). Analytical results are discussed below. Analytical reports from the soil confirmation samples are presented in Appendix I.

AST-80001: TPH, BTEX, and oxygenates exceedances were detected at DPT-49 through DPT-51 at multiple depths. Although some TPH detections were encountered near surface (DPT-49), exceedances of SCGs for TPH were generally found between 18 feet and 25 feet (DPT-49, DPT-50, and DPT-51). BTEX and oxygenates were also encountered within AST-80001 throughout the entire soil column, indicating a potential release to groundwater.

AST-80002: TPH, BTEX, and oxygenates were detected within AST-80002 at multiple depths, but no exceedances above SCGs were found at this location. TPH detections were only found near surface at 0.5 feet at DPT—53, DPT-55, and DPT-56. Although BTEX were detected at multiple depths, values were well below SCGs and mostly composed of "J" flagged values. Oxygenates were not detected at this AST location.

AST-80004: TPH, BTEX, and oxygenates were detected within AST-80004 at multiple depths, but no exceedances above SCGs were found at this location. TPH detections were only found near surface at 0.5 feet at DPT-77, DPT-78, DPT-79 and DPT-80. Although BTEX were detected at multiple depths, values were well below SCGs and mostly composed of "J" flagged values. Oxygenates were not detected at this AST location, with the exception of one "J" flagged detection at 16 feet at DPT-79.

AST-80005: TPH, BTEX, and oxygenates were detected within AST-80005 at multiple depths, but no exceedances above SCGs were found at this location, with the exception of TPH. TPH results from surface soil at this location were found at DPT-46, DPT-48, and DPT-49 below SCGs. TPH detections were found to exceed SCGs only at location DPT-46 at 10 feet. Two other TPH detections were found to exceed SCGs at DPT-45 and DPT-46, at 25 feet and 33 feet, respectively. Although BTEX were detected at multiple depths, values were well below SCGs and mostly composed of "J" flagged values. Oxygenates were not detected at this AST location.

AST-80006: TPH, BTEX, and oxygenates were detected within AST-80006 at multiple depths at DPT-57 through DPT-60. Several soil sampling locations were found to exceed SCGs for TPHs at approximately 19 feet (DPT-57 and DPT-60). The only BTEX and oxygenates to exceed SCGs were benzene, MTBE and TBA at DPT-57 and DPT-59 at approximately 19 feet to 28 feet. BTEX and oxygenates detections below SCGs were encountered at all other depths.

AST-80007: TPH, BTEX and oxygenates were detected within AST-80007 at multiple depths at DPT-66 through DPT-69. TPH exceedance of SCGs was found at DPT-66 at

[5] California RWQCB, 2012b. Review of Proposed Soil Cleanup Goals, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California (SCP No. 0286A, Site No. 16638), letter dated July 12.

0.5 feet and DPT-69 at 28 feet. Benzene and MTBE were also encountered above SCGs at DPT-68 (11.5 feet and 28 feet).

AST-80008: TPH, BTEX and oxygenates (MTBE and TBA) were detected within AST-80008 at multiple depths at sampling locations DPT-88 through DPT-91. Although SCGs exceedances were not found near surface, exceedances of SCGs were found between 18 feet to 26 feet (above the capillary fringe of first encountered groundwater).

AST-80009: TPH, BTEX and oxygenates exceedances of SCGs were detected at: DPT-41, DPT-42, DPT-43, and at step-out location DPT-65. Although TPH impacts appear to be generally limited to near surface (0.5 feet to 10 feet), one TPHg exceedance was encountered at DPT-44 at 25 feet near the capillary fringe of first encountered groundwater. BTEX results also indicate that exceedances are generally co-located with elevated TPH results. Additionally, BTEX results indicate a vertical contaminant distribution from near surface to near the capillary fringe of first encountered groundwater.

AST-80013: TPH and BTEX were detected at soil sampling locations DPT-61 through DPT-64. Oxygenates were not detected. SCGs exceedances were only detected at DPT-61 at 15 feet and DPT-64 at 0.5 feet.

AST-55003: DPT-70, -71, and -74 through -76 were advanced at this AST location. TPH results indicate that TPHs were only detected at surface at DPT-74 exceeding the SCGs. Similarly oxygenates were also detected (MTBE and TBA) above the SCGs near surface at DPT-74. BTEX were detected at all sampling locations, but did not exceed SCGs within this AST.

AST-55004: DPT-92 through DPT-95 were advanced at this AST location. TPHs were detected at all sampling locations, with some samples exceeding SCGs at DPT-93 (at 25 feet), and DPT-94 (at 10 feet through 25 feet). BTEX were also detected at all sampling locations, but all detections were well below SCGs. Oxygenates were not detected within this AST area.

AST-80017: DPT-97 through DPT-99 were advanced within this AST area. TPH and BTEX were detected at all sampling locations well below SCGs. No oxygenates were detected within this AST location.

OWS: DPT-72 and -73 were advanced within the former OWS. Soil sampling was conducted after demolition and backfill activities were completed. Soil samples were collect below the depth of backfill (approximately 15 feet). TPH results indicate that exceedances were found above SCGs directly below the backfill. BTEX were also detected at all sampled depths at both sampling locations, at concentrations below SCGs. Oxygenates (MTBE and TBA) were only detected at DPT-73 (22 feet) above SCGs. Oxygenates were not detected at all other sampled depths.

AST-20001 (Water Tank Area): DPT-81, -82, and -83 were advanced in the former water tank area. TPH exceeding SCGs were found through the entire soil column where collected within this area.

AST-2501 (Slop Tank Area): DPT-84, -85, -86 were advanced in the former Slop tank area. TPH above SCGs was encountered within the entire soil column where sampled in

this area. BTEX were also detected, below SCGs, with the exception of ethylbenzene at 24 feet.

TFS Area: DPT-106 was advanced within the former western portion of the TFS area. At this portion of the TFS area, impacted soil was identified directly below the concrete, after removal of the concrete. DPT-106 was advanced directly within the area of impact identified. Soil results of a sample collected at 0.5 feet indicate that TPH, benzene, and xylenes were found exceeding SCGs near surface. SCGs were also exceeded for TPH at approximately 19.5 feet.

Pumphouses: DPT-104 and -105 were advanced within the former pumphouse area. After concrete removal, this area was backfilled with clean import material from approximately 5- to 6-feet below grade. Soil samples were collected below the backfill. TPH concentrations above SCGs were detected from approximately 10 feet to 18 feet at location DPT-104. Ethylbenzene also exceeded SCGs at 15.5 feet at location DPT-104. TPH was not detected at DPT-105. "J" flagged BTEX results were detected well below SCGs at location DPT-105.

Other Areas of Interest: Two additional DPT borings were advanced at the Site. One sample was advanced just east of a storm drain lift station (DPT-103). Although minor BTEX and TPH detections were encountered, no detections exceeded SCGs at DPT-103. The second boring (DPT-107) was advanced within the area of a former fuel pipe concrete vault located just south of the southern perimeter berm, just west of where the berm was intersected by the former transfer fuel lines. Impacted soil (i.e. staining, elevated PID readings) was encountered along the eastern, southern, and bottom portion of the concrete vault. After removal of the concrete vault, this area was backfilled with clean import material from approximately 12 feet below grade. Soil samples were collected below the backfill. All soil sample results indicate that TPH exceed SCGs through the soil column. BTEX were also encountered, exceeding SCGs at 16 feet.

4.4 Soil Berm Sampling Results

The soil sampling consisted of sampling at a total of 64 locations within the soil berms, hand augured to 6 feet (Figure 16). Soil berm sample results are presented in Tables 4 through 6, whereas laboratory reports are presented in Appendix I. The soil berms are approximately 4 to 5 feet in height, above adjacent grade. Three samples were collected within each location at 1- and 3-feet below the top of the berms (corresponding with soil in the berms). A third sample was collected at approximately 6 feet below the top of the berm, which corresponds with the adjacent grade. The reason for collecting these 6 foot samples was to determine if there is any potential impact below the berms at plus or minus site grade.

192 soil samples were collected and analyzed from the berms for the following:

- TPHg and TPH as JP-5 - at all depths and locations;
- Title 22 Metals - only in the 1 and 3 foot samples at a total of 40 locations; and
- VOCs - at all depths and locations.

The soil results were compared to Region 9 Regional Screening Levels (RSLs), California Human Health Screening Levels (CHHSLs), and the RWQCB screening levels for TPH. To summarize:

- TPH results are below the screening levels.
    - TPHg was not detected at any locations.
    - TPH as JP-5 was detected in 31 samples at the 1 and 3 feet depths with a maximum detected concentration of 300 milligrams per kilograms (mg/kg) which is below the 1,000 mg/kg RWQCB screening level. TPH as JP-5 was also detected at three locations at the 6 foot depth, with the maximum concentration of 86 mg/kg.
- All metals results were below the industrial RSLs except arsenic, with a maximum concentration at 10.5 mg/kg. However, the detected arsenic concentrations are less than 12 mg/kg, which is generally the background threshold value for soil in southern California.
- VOC results are below their respective industrial RSLs.

A letter summarizing soil berm sampling activities and results was submitted on May 17, 2011 to the RWQCB (Appendix O). Table 4 summarizes the VOCs results, Table 5 presents TPH results, and Table 6 summarizes metals results. Review of this data indicates that the soil within the berms has not been impacted from former Site activities, and a recommendation was made not to remove the berms as part of the environmental remediation strategy for the Site.

4.5 Hydropunch Groundwater Sampling Results

During the DPT investigation, a total of seven hydropunch groundwater samples were collected (Figure 17). Results from the hydropunch sampling are presented in Table 7 (TPH) and Table 8 (VOCs), and on Figures 18 through 27. Hydropunch groundwater analytical reports are presented in Appendix I.

TPH was encountered in all samples. TPHg ranged between <100 micrograms per liter (µg/L) and the highest detection of 2,100 µg/L at DPT-84 located within the former slop tank area (AST 2501). TPH as JP-5 ranged between 280 µg/L at DPT-72 and the highest detection of 83,000 µg/L at DPT-84. TPHd ranged from 380 µg/L at DPT-72 and the highest detection of 87,000 µg/L at DPT-84.

BTEX were detected in five of the seven hydropunch sampling locations. Benzene was found to exceed its Maximum Contaminant Level (MCL) (5.0 µg/L) at DPT-42 at AST 80009 and DPT-84. No other MCL exceedances were detected.

TABLES

TABLE 1
DEMOLITION QUANTITIES
DFSP Norwalk Facility, Norwalk California

Material	Total	Unit
Recycled Concrete	9264.8	TN
Asphalt	169.26	TN
Recycled Steel from Aboveground Storage TankBottoms	376.38	TN
Steel Fuel Pipes	11,227	LF
Steel Fire Protection System Pipes (non-Asbestoc-Containing Material)	778	LF
Impacted Water	11,750	GL
Storm drain Pipes (non Asbestos-Containing Material)	2,376.50	LF
Export of Contaminated Non-Hazardous Soil	1,856.84	TN
Import Backfill Soil	3,843.38	TN
Creosote Electrical Poles	3	QTY
Cesspools	2	QTY
Loads of Green Waste	16	QTY
Asbestos-Containing Material		
Storm Drain Pipes	2,877	LF
Fuel Steel Pipes	2,099	LF
Water Main Pipes	471	LF
Fire Water Steel Pipes	6,934	LF

TABLE 2
SOIL CLEANUP GOALS
DFSP Norwalk Site, Norwalk California

	(feet below ground surface)					
Depth Below Ground Surface	**0.5**	**5**	**10**	**15**	**20**	**25**
Depth to Groundwater	**25.5**	**21**	**16**	**11**	**6**	**1**
Constituent	**Soil Cleanup Goal (mg/kg)**					
TPH as Gasoline (C4-C12)	500	500	100	100	100	100
TPH as JP-5 (C8-C17)	500	500	100	100	100	100
TPH as Diesel (C5-C25)	1,000	1,000	100	100	100	100
Benzene	0.015	0.013	0.012	0.013	0.011	0.012
Toluene	0.614	0.440	0.391	0.423	0.356	0.367
Ethylbenzene	2.07	1.44	1.19	1.33	1.07	1.10
Xylenes	5.55	3.77	3.09	3.47	2.76	2.84
1,1,2,2-Tetrachloroethane	0.0023	0.0020	0.0015	0.0012	0.0006	0.0002
1,1,2-Trichloroethane	0.0032	0.0029	0.0023	0.0020	0.0012	0.0008
1,2,3-Trichlorobenzene	0.0740	0.0634	0.0467	0.0356	0.0162	0.0034
1,2,3-Trichloropropane	8.74E-07	7.66E-07	5.87E-07	4.79E-07	2.56E-07	1.23E-07
1,2,4-Trimethylbenzene	2.10	1.80	1.34	1.03	0.478	0.120
1,2-Dibromo-3-chloropropane	2.50E-04	2.19E-04	1.68E-04	1.37E-04	7.31E-05	3.52E-05
1,2-Dibromoethane	3.05E-06	2.78E-06	2.27E-06	2.04E-06	1.30E-06	9.60E-07
1,2-Dichloroethane	1.06E-04	1.04E-04	9.37E-05	9.60E-05	7.29E-05	6.92E-05
1,3,5-Trimethylbenzene	2.06	1.77	1.31	1.01	0.470	0.118
2-Butanone	0.557	0.607	0.617	0.713	0.612	0.661
2-Chlorotoluene	0.558	0.481	0.358	0.278	0.132	0.039
2-Hexanone	0.0073	0.0072	0.0065	0.0066	0.0050	0.0047
4-Chlorotoluene	0.547	0.472	0.351	0.273	0.130	0.038
Acetone	0.994	1.17	1.28	1.57	1.42	1.60
Bromomethane	0.0015	0.0014	0.0013	0.0013	0.0010	0.0010
Carbon disulfide	0.049	0.046	0.039	0.038	0.026	0.023
Chlorobenzene	0.119	0.104	0.079	0.063	0.032	0.013
Chloroethane (Ethyl Chloride)	2.23	2.47	2.55	2.98	2.59	2.83
Chloroform	7.38E-05	6.82E-05	5.67E-05	5.25E-05	3.48E-05	2.75E-05
Dichlorodifluoromethane	0.984	0.868	0.672	0.559	0.309	0.167
Diisopropyl Ether (DIPE)	0.449	0.424	0.364	0.350	0.246	0.212
Isopropylbenzene	5.56	4.78	3.53	2.71	1.26	0.303
Methylene Chloride	7.78E-04	7.99E-04	7.61E-04	8.27E-04	6.69E-04	6.82E-04
Methyl-t-Butyl Ether (MTBE)	9.07E-04	9.10E-04	8.43E-04	8.89E-04	6.97E-04	6.86E-04
Naphthalene	0.270	0.231	0.170	0.130	0.059	0.012
n-Butylbenzene	3.97	3.40	2.50	1.91	0.867	0.179
n-Propylbenzene	2.18	1.87	1.39	1.06	0.489	0.114
p-Isopropyltoluene	2.82	2.42	1.79	1.37	0.636	0.154
sec-Butylbenzene	2.59	2.22	1.64	1.26	0.576	0.129
Styrene	0.463	0.399	0.296	0.229	0.108	0.030
Tert-Butyl Alcohol (TBA)	0.0010	0.0012	0.0013	0.0016	0.0014	0.0016
tert-Butylbenzene	2.07	1.78	1.32	1.01	0.465	0.110
Trichloroethene	0.0070	0.0061	0.0047	0.0038	0.0020	0.0009

mg/kg = milligram per kilogram
NA = not applicable

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-41	10/31/11	0.5	2400	--	8700	5300	370	1200	5400	18810	< 96	< 960	< 48
DPT-41	10/31/11	5	2.2	--	< 5.0	< 5.0	15	77	21	198	< 3.5	27 J	< 1.8
DPT-41	10/31/11	12	1.8	--	< 5.0	< 5.0	26	120	34	247	< 1.9	7 J	< 0.94
DPT-41	10/31/11	15	7.5	--	< 5.0	< 5.0	86	820	260	2300	< 100	< 1000	< 50
DPT-41	10/31/11	20	< 0.26	--	< 5.0	< 5.0	1 J	5.8	1.9	14.5	< 2.1	< 21	< 1.0
DPT-42	10/31/11	0.5	2300	--	7600	3400	3900	34000	23000	110000	< 580	< 5800	< 290
DPT-42	10/31/11	5	910	--	< 5.0	< 5.0	340	5900	5400	33700	< 84	< 840	< 42
DPT-42	10/31/11	10	2.8	--	< 5.0	< 5.0	120	1300	1000	7000	< 87	< 870	< 44
DPT-42	10/31/11	16	23	--	< 5.0	< 5.0	70	280	180	1280	< 110	< 1100	< 53
DPT-42	10/31/11	19	49	--	40000	42000	990	3600	1800	11800	< 92	< 920	< 46
DPT-42	10/31/11	24	< 0.13	--	< 5.0	< 5.0	0.47 J	0.89 J	0.6 J	4	< 2.0	< 20	< 1.0
DPT-43	10/31/11	0.5	< 0.26	--	74	< 5.0	5.4	1.5	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-43	10/31/11	5	< 0.25	--	< 5.0	< 5.0	1.8	1.4	0.27 J	0.62 J	< 2.0	< 20	< 1.0
DPT-43	10/31/11	10	< 0.23	--	< 5.0	< 5.0	32	12	0.81 J	2.51 J	< 1.8	< 18	< 0.91
DPT-43	10/31/11	15	< 0.27	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-43	10/31/11	20	< 0.21	--	< 5.0	< 5.0	0.53 J	< 0.77	< 0.77	< 2.27	< 1.5	< 15	< 0.77
DPT-43	10/31/11	25	< 0.26	--	< 5.0	< 5.0	0.47 J	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-44	10/31/11	0.5	< 0.25	--	18	< 5.0	6	1.7	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-44	10/31/11	5	< 0.24	--	< 5.0	< 5.0	1.2	0.88 J	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-44	10/31/11	10	< 0.21	--	< 5.0	< 5.0	2.7	1.2	< 0.90	< 2.7	< 1.8	< 18	< 0.90
DPT-44	10/31/11	15	< 0.25	--	< 5.0	< 5.0	0.8 J	0.82 J	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-44	10/31/11	20	< 0.25	--	< 5.0	< 5.0	0.18 J	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-44	10/31/11	25	< 0.22	--	240	< 5.0	0.57 J	< 0.80	< 0.80	< 2.4	< 1.6	< 16	< 0.80
DPT-45	11/01/11	0.5	< 0.20	--	< 5.0	< 5.0	6.2	2.5	0.21 J	0.6 J	< 1.7	< 17	< 0.87
DPT-45	11/01/11	5	< 0.24	--	< 5.0	< 5.0	0.94 J	0.85 J	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-45	11/01/11	10	< 0.20	--	6.3	< 5.0	0.96	0.53 J	< 0.86	< 2.56	< 1.7	< 17	< 0.86
DPT-45	11/01/11	10	< 0.21	--	< 5.0	< 5.0	0.59	0.26 J	< 0.44	< 1.32	< 0.88	< 8.8	< 0.44
DPT-45	11/01/11	15	< 0.27	--	< 5.0	< 5.0	< 1.1	0.63 J	0.31 J	0.73 J	< 2.2	< 22	< 1.1
DPT-45	11/01/11	20	< 0.25	--	< 5.0	< 5.0	0.29 J	< 0.98	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-45	11/01/11	25	< 0.20	--	580	12	0.48 J	< 0.76	< 0.76	< 2.26	< 1.5	< 15	< 0.76
DPT-46	11/01/11	0.5	< 0.24	--	340	< 5.0	2.5	0.78 J	< 0.93	< 2.83	< 1.9	< 19	< 0.93
DPT-46	11/01/11	5	< 0.20	--	< 5.0	< 5.0	2.1	1.4	0.14 J	< 2.54	< 1.7	< 17	< 0.84
DPT-46	11/01/11	10	< 0.23	--	< 5.0	< 5.0	0.74 J	0.55 J	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-46	11/01/11	10	< 0.24	--	260	< 5.0	2	1.4	0.19 J	0.34 J	< 1.8	< 18	< 0.92
DPT-46	11/01/11	15	< 0.24	--	< 5.0	< 5.0	0.67 J	0.62 J	< 0.92	< 2.72	< 1.8	< 18	< 0.92
DPT-46	11/01/11	20	< 0.20	--	< 5.0	< 5.0	1.4	0.92 J	< 0.96	< 2.86	< 1.9	< 19	< 0.96
DPT-46	11/01/11	28	< 0.24	--	< 5.0	< 5.0	0.18 J	< 0.98	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-46	11/01/11	33	< 0.27	--	380	17	0.91	0.93	0.18 J	0.34 J	< 1.7	< 17	< 0.84
DPT-47	11/01/11	0.5	< 0.24	--	< 5.0	< 5.0	5.6	2.4	0.19 J	0.4 J	< 1.9	< 19	< 0.96
DPT-47	11/01/11	5	< 0.20	--	< 5.0	< 5.0	2	1.2	0.17 J	0.27 J	< 1.6	< 16	< 0.81
DPT-47	11/01/11	10	< 0.21	--	< 5.0	< 5.0	1.1	0.85	0.13 J	0.21 J	< 1.5	< 15	< 0.76
DPT-47	11/01/11	15	< 0.26	--	< 5.0	< 5.0	0.24 J	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-47	11/01/11	20	< 0.20	--	< 5.0	< 5.0	0.97	1.2	0.18 J	0.27 J	< 1.7	< 17	< 0.84
DPT-47	11/01/11	24	< 0.22	--	< 5.0	< 5.0	0.28 J	< 0.85	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-48	11/01/11	0.5	< 0.26	--	13	< 5.0	8.2	2.8	0.17 J	0.54 J	< 2.1	< 21	< 1.0
DPT-48	11/01/11	5	< 0.24	--	< 5.0	< 5.0	1.2	0.91 J	0.15 J	< 2.84	< 1.9	< 19	< 0.94
DPT-48	11/01/11	10	< 0.22	--	< 5.0	< 5.0	3.2	3.4	0.63 J	0.93 J	< 1.7	< 17	< 0.84
DPT-48	11/01/11	15.5	< 0.24	--	< 5.0	< 5.0	0.19 J	< 0.98	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-48	11/01/11	20	< 0.19	--	< 5.0	< 5.0	0.21 J	< 0.93	< 0.93	< 2.83	< 1.9	< 19	< 0.93
DPT-48	11/01/11	23.5	< 0.20	--	< 5.0	< 5.0	1.9	1.3	0.18 J	0.31 J	< 1.6	< 16	< 0.78
DPT-49	11/01/11	0.5	< 0.24	--	59	< 5.0	6.3	3.2	0.22 J	0.53 J	< 1.8	< 18	< 0.89
DPT-49	11/01/11	5	< 0.26	--	< 5.0	< 5.0	1.2	1.2	0.15 J	0.39 J	< 1.9	9.4 J	< 0.96
DPT-49	11/01/11	10	5.3	--	13	13	21	180	9.7	93	< 1.6	420	< 0.78
DPT-49	11/01/11	15	6.6	--	8.6	9	35	1400	18	133	< 2.0	210	< 1.0
DPT-49	11/01/11	15	< 5.8	--	< 5.0	< 5.0	42	560	24	176	< 2.0	200	< 1.0
DPT-49	11/01/11	18	1500	--	490	520	300	8000	1200	6700	< 160	< 1600	< 82
DPT-49	11/01/11	20	< 18	--	14	14	240	4200	100	1480	< 1.5	22	< 0.76
DPT-49	11/01/11	27.5	0.49	--	< 5.0	< 5.0	49	86	46	261	< 1.8	7.3 J	< 0.89

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-50	11/02/11	0.5	< 0.24	--	< 5.0	< 5.0	7.1	3.2	0.33 J	0.5 J	< 2.2	< 22	< 1.1
DPT-50	11/02/11	5	< 0.22	--	< 5.0	< 5.0	1.5	0.7 J	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-50	11/02/11	10	< 0.24	--	< 5.0	< 5.0	0.89 J	0.75 J	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-50	11/02/11	16	< 0.22	--	< 5.0	< 5.0	1.2	1.1	0.2 J	0.53 J	< 1.9	< 19	< 0.96
DPT-50	11/02/11	20	1.3	--	< 5.0	< 5.0	1.4	1.1	27	36	< 1.9	63	0.33 J
DPT-50	11/02/11	25	1	--	170	14	1.4	0.59 J	12	35.6 J	< 1.7	12 J	< 0.84
DPT-51	11/02/11	0.5	< 0.24	--	100	7.4	6.9	2.7	0.31 J	0.94 J	< 2.2	< 22	< 1.1
DPT-51	11/02/11	5	< 0.23	--	17	< 5.0	1.1	0.93 J	0.16 J	0.33 J	< 1.9	< 19	< 0.94
DPT-51	11/02/11	10	< 0.22	--	9.1	< 5.0	2.3	1.2	0.13 J	0.21 J	< 1.5	< 15	< 0.76
DPT-51	11/02/11	14	< 0.25	--	< 5.0	< 5.0	0.61 J	0.55 J	< 0.97	< 2.87	< 1.9	< 19	< 0.97
DPT-51	11/02/11	20	5800	--	1500	1600	1200	46000	44000	406000	< 500	< 5000	< 250
DPT-51	11/02/11	20	6000	--	4100	4300	920	26000	23000	188000	< 970	< 9700	< 480
DPT-52	11/02/11	0.5	< 0.25	--	< 5.0	< 5.0	8.9	5.1	0.51 J	1.6 J	< 2.2	< 22	< 1.1
DPT-52	11/02/11	5	< 0.22	--	< 5.0	< 5.0	2	1.7	0.57 J	4.4	< 1.7	< 17	< 0.84
DPT-52	11/02/11	12	0.44	--	< 5.0	< 5.0	4.4	2.7	3.3	16.1	< 1.9	12 J	< 0.94
DPT-52	11/02/11	15.5	1.1	--	< 5.0	< 5.0	2.5	0.79 J	3.6	6.6	< 2.2	100	< 1.1
DPT-52	11/02/11	20	2.6	--	< 5.0	< 5.0	16	670	31	182	< 1.9	18 J	1.4
DPT-52	11/02/11	24	0.45	--	< 5.0	< 5.0	2.3	3.2	4.7	15.96 J	< 1.9	14 J	1
DPT-53	11/02/11	0.5	< 0.26	--	36	< 5.0	3.5	1.8	< 1.0	0.5 J	< 2.1	< 21	< 1.0
DPT-53	11/02/11	6	< 0.26	--	< 5.0	< 5.0	1.3	1.5	0.28 J	0.56 J	< 2.0	< 20	< 0.99
DPT-53	11/02/11	6	< 0.27	--	< 5.0	< 5.0	2	1.9	0.35 J	0.8 J	< 2.5	< 25	< 1.3
DPT-53	11/02/11	12	< 0.24	--	< 5.0	< 5.0	0.94 J	0.65 J	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-53	11/02/11	16	< 0.22	--	< 5.0	< 5.0	0.65 J	0.54 J	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-53	11/02/11	20	< 0.27	--	< 5.0	< 5.0	0.43 J	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-54	11/02/11	0.5	< 0.27	--	< 5.0	< 5.0	6	3	0.18 J	0.53 J	< 2.1	< 21	< 1.0
DPT-54	11/02/11	6	< 0.28	--	< 5.0	< 5.0	0.61 J	0.58 J	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-54	11/02/11	12	< 0.21	--	< 5.0	< 5.0	1.9	1	< 0.87	< 2.57	< 1.7	< 17	< 0.87
DPT-54	11/02/11	16	< 0.23	--	< 5.0	< 5.0	0.65 J	0.61 J	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-54	11/02/11	20	< 0.26	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-55	11/03/11	0.5	< 0.25	--	70	< 5.0	1.7	0.86 J	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-55	11/03/11	5	< 0.29	--	< 5.0	< 5.0	1 J	0.97 J	0.17 J	0.28 J	< 2.1	< 21	< 1.0
DPT-55	11/03/11	11.5	< 0.22	--	< 5.0	< 5.0	1	0.71 J	< 0.84	< 2.54	< 1.7	< 17	< 0.84
DPT-55	11/03/11	15	< 0.28	--	< 5.0	< 5.0	0.17 J	< 0.97	< 0.97	< 2.87	< 1.9	< 19	< 0.97
DPT-55	11/03/11	20	< 0.29	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-55	11/03/11	24	< 0.21	--	< 5.0	< 5.0	0.75 J	0.96	0.18 J	0.25 J	< 1.6	< 16	< 0.81
DPT-56	11/03/11	0.5	< 0.26	--	200	< 5.0	3	1.5	< 0.97	0.31 J	< 1.9	< 19	< 0.97
DPT-56	11/03/11	5	< 0.32	--	< 5.0	< 5.0	1.1	1.1	0.22 J	0.28 J	< 2.1	< 21	< 1.0
DPT-56	11/03/11	11.5	< 0.21	--	< 5.0	< 5.0	0.72 J	0.61 J	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-56	11/03/11	15	< 0.27	--	< 5.0	< 5.0	< 0.91	< 0.91	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-56	11/03/11	20	< 0.26	--	< 5.0	< 5.0	0.45 J	0.79 J	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-57	11/03/11	0.5	< 0.21	--	20	< 5.0	8.8	3.2	0.2 J	0.45 J	< 2.0	< 20	< 1.0
DPT-57	11/03/11	5	< 0.22	--	< 5.0	< 5.0	2.2	1.7	0.26 J	0.41 J	< 1.8	< 18	< 0.91
DPT-57	11/03/11	11	< 0.22	--	< 5.0	< 5.0	4.2	5	0.9	2.16 J	< 1.8	< 18	< 0.88
DPT-57	11/03/11	15	< 0.26	--	< 5.0	< 5.0	0.21 J	< 0.89	< 0.89	< 2.69	< 1.8	< 18	< 0.89
DPT-57	11/03/11	19.5	65	--	< 5.0	< 5.0	14 J	< 44	21 J	34 J	< 89	< 890	< 44
DPT-57	11/03/11	19.5	460	--	9	9.5	37 J	< 44	32 J	75 J	< 87	< 870	< 44
DPT-57	11/03/11	23	8.2	--	< 5.0	< 5.0	23	1.3	21	120.72 J	23	15 J	< 1.0
DPT-58	11/03/11	0.5	< 0.25	--	< 5.0	< 5.0	8.7	3.8	0.26 J	0.62 J	< 1.8	< 18	< 0.89
DPT-58	11/03/11	5	< 0.27	--	< 5.0	< 5.0	2.2	1.6	0.24 J	0.38 J	< 2.2	< 22	< 1.1
DPT-58	11/03/11	10.5	< 0.20	--	< 5.0	< 5.0	1	0.72 J	< 0.88	< 2.68	< 1.8	< 18	< 0.88
DPT-58	11/03/11	15	< 0.25	--	< 5.0	< 5.0	0.31 J	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-58	11/03/11	20	< 0.21	--	< 5.0	< 5.0	2.2	2.6	0.5 J	0.77 J	< 1.6	< 16	< 0.81
DPT-58	11/03/11	24	0.34	--	< 5.0	< 5.0	0.33 J	< 0.93	< 0.93	0.33 J	0.68 J	< 19	< 0.93
DPT-59	11/03/11	0.5	< 0.27	--	< 5.0	< 5.0	5.9	2.5	0.19 J	0.39 J	< 2.1	< 21	< 1.1
DPT-59	11/03/11	5	< 0.19	--	< 5.0	< 5.0	1.4	1.2	0.19 J	0.26 J	< 1.6	< 16	< 0.79
DPT-59	11/03/11	10	< 0.25	--	< 5.0	< 5.0	0.14 J	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-59	11/03/11	15	< 0.26	--	< 5.0	< 5.0	0.23 J	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-59	11/03/11	20	< 0.31	--	< 5.0	< 5.0	0.31 J	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-59	11/03/11	24	0.79	--	< 5.0	< 5.0	0.97 J	< 1.0	1 J	9.1	0.76 J	< 21	< 1.0
DPT-59	11/03/11	28	4.6	--	< 5.0	< 5.0	4.4	< 0.83	6.9	41	1.2 J	< 17	< 0.83
DPT-60	11/03/11	0.5	< 0.25	--	27	< 5.0	6.5	2.5	0.18 J	0.39 J	< 2.2	< 22	< 1.1
DPT-60	11/03/11	5	< 0.32	--	< 5.0	< 5.0	1.2	1.2	0.22 J	0.37 J	< 2.1	< 21	< 1.0
DPT-60	11/03/11	5	< 0.26	--	< 5.0	< 5.0	1.1	1.1	0.18 J	0.31 J	< 2.0	< 20	< 0.99
DPT-60	11/03/11	11.5	< 0.23	--	< 5.0	< 5.0	4.4	5	0.81 J	2.01 J	< 2.0	< 20	< 1.0
DPT-60	11/03/11	15	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-60	11/03/11	19	220	--	6	6.4	< 45	< 45	23 J	30 J	< 90	< 900	< 45
DPT-60	11/03/11	19	2.1	--	170	180	< 43	< 43	28 J	43 J	< 86	< 860	< 43
DPT-61	11/07/11	0.5	< 0.23	--	31	< 5.0	6.6	1.3	0.25 J	0.62 J	< 1.8	< 18	< 0.90
DPT-61	11/07/11	5	< 0.20	--	< 5.0	< 5.0	0.91	0.96	0.17 J	0.29 J	< 1.6	< 16	< 0.80
DPT-61	11/07/11	10.5	< 0.24	--	< 5.0	< 5.0	< 0.94	< 0.94	< 0.94	< 2.84	< 1.9	< 19	< 0.94
DPT-61	11/07/11	15	< 0.26	--	< 5.0	< 5.0	13	3.8	0.22 J	0.46 J	< 2.2	< 22	< 1.1
DPT-61	11/07/11	20	< 0.20	--	< 5.0	< 5.0	3.2	3.9	0.75 J	1 J	< 1.6	< 16	< 0.79
DPT-61	11/07/11	23.5	< 0.26	--	< 5.0	< 5.0	10	11	1.9	3.9 J	< 3.2	< 32	< 1.6
DPT-62	11/07/11	0.5	< 0.25	--	12	< 5.0	0.24 J	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-62	11/07/11	6	< 0.27	--	< 5.0	< 5.0	0.31 J	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-62	11/07/11	10	< 0.23	--	< 5.0	< 5.0	2.8	2.9	0.5 J	0.7 J	< 1.8	< 18	< 0.90
DPT-62	11/07/11	15	< 0.12	--	< 5.0	< 5.0	0.33 J	< 0.98	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-62	11/07/11	20	< 0.21	--	< 5.0	< 5.0	1.2	1.2	0.22 J	0.32 J	< 1.6	< 16	< 0.79
DPT-62	11/07/11	20	< 0.20	--	< 5.0	< 5.0	1.3	1.2	0.23 J	0.33 J	< 1.6	< 16	< 0.80
DPT-62	11/07/11	24	< 0.22	--	< 5.0	< 5.0	0.34 J	< 0.84	< 0.84	< 2.54	< 1.7	< 17	< 0.84
DPT-63	11/07/11	0.5	< 0.28	--	< 5.0	< 5.0	13	3.8	0.25 J	0.42 J	< 1.7	< 17	< 0.86
DPT-63	11/07/11	6	< 0.25	--	< 5.0	< 5.0	1.1	0.81 J	0.16 J	< 2.98	< 2.0	< 20	< 0.98
DPT-63	11/07/11	11	< 0.22	--	< 5.0	< 5.0	5.3	6	2	3.08	< 1.7	< 17	< 0.85
DPT-63	11/07/11	15	< 0.23	--	< 5.0	< 5.0	0.14 J	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-63	11/07/11	19.5	< 0.21	--	< 5.0	< 5.0	1.7	0.79 J	< 0.80	< 2.4	< 1.6	< 16	< 0.80
DPT-63	11/07/11	24	< 0.26	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-64	11/07/11	0.5	< 0.26	--	< 5.0	< 5.0	16	5.3	0.55 J	1.3 J	< 2.8	< 28	< 1.4
DPT-64	11/07/11	0.5	< 0.23	--	< 5.0	< 5.0	12	3.8	0.37 J	0.8 J	< 1.8	< 18	< 0.89
DPT-64	11/07/11	6	< 0.22	--	< 5.0	< 5.0	1.4	1.1	0.63 J	2.78 J	< 1.7	< 17	< 0.85
DPT-64	11/07/11	11	< 0.20	--	< 5.0	< 5.0	5.4	5.5	0.67 J	1 J	< 1.8	< 18	< 0.90
DPT-64	11/07/11	16	< 0.28	--	< 5.0	< 5.0	0.27 J	< 1.0	< 1.0	0.65 J	< 2.0	< 20	< 1.0
DPT-64	11/07/11	20	< 0.18	--	< 5.0	< 5.0	0.84	0.76 J	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-64	11/07/11	24	< 0.30	--	< 5.0	< 5.0	0.33 J	< 1.2	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-65	11/07/11	0.5	< 0.27	--	2600	160	1.3	1.5	0.8 J	3.38 J	< 2.3	< 23	< 1.1
DPT-65	11/07/11	5	< 0.27	--	23	< 5.0	1.2	0.99 J	< 1.1	0.39 J	< 2.2	< 22	< 1.1
DPT-65	11/07/11	10	8300	--	8700	9400	600 J	< 2100	40000	240000	< 4200	< 42000	< 2100
DPT-66	11/07/11	0.5	< 0.27	--	5900	340	0.69 J	< 1.1	< 1.1	0.47 J	< 2.2	< 22	< 1.1
DPT-66	11/07/11	6	< 0.26	--	< 5.0	< 5.0	0.97 J	0.77 J	0.3 J	1.4 J	< 2.1	< 21	< 1.0
DPT-66	11/07/11	12	< 0.24	--	< 5.0	< 5.0	8.2	3.7	0.37 J	0.91 J	< 2.1	< 21	< 1.1
DPT-66	11/07/11	15	< 0.24	--	< 5.0	< 5.0	0.35 J	< 0.99	< 0.99	< 2.99	< 2.0	< 20	< 0.99
DPT-66	11/07/11	20	< 0.28	--	< 5.0	< 5.0	0.27 J	< 1.1	< 1.1	0.59 J	< 2.3	< 23	< 1.1
DPT-66	11/07/11	26.5	< 0.23	--	< 5.0	< 5.0	0.92 J	0.8 J	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-67	11/08/11	0.5	< 0.26	--	< 5.0	< 5.0	0.15 J	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-67	11/08/11	5	< 0.24	--	< 5.0	< 5.0	0.72 J	0.65 J	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-67	11/08/11	12	< 0.24	--	< 5.0	< 5.0	0.49 J	< 0.93	< 0.93	< 2.83	< 1.9	< 19	< 0.93
DPT-67	11/08/11	16	< 0.27	--	< 5.0	< 5.0	< 1.2	< 1.2	< 1.2	< 3.5	< 2.3	< 23	< 1.2
DPT-67	11/08/11	20	< 0.28	--	< 5.0	< 5.0	0.15 J	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-67	11/08/11	27.5	< 0.22	--	< 5.0	< 5.0	9.1	5.9	0.88 J	0.96 J	< 2.7	< 27	< 1.3
DPT-67	11/08/11	27.5	< 0.24	--	< 5.0	< 5.0	1.7	1.5	0.22 J	0.34 J	< 1.9	< 19	< 0.95
DPT-68	11/08/11	0.5	< 0.24	--	< 5.0	< 5.0	0.66 J	< 0.99	< 0.99	< 2.99	< 2.0	< 20	< 0.99
DPT-68	11/08/11	5	< 0.22	--	< 5.0	< 5.0	2.8	2.2	0.34 J	0.46 J	< 1.8	< 18	< 0.91
DPT-68	11/08/11	11.5	< 0.22	--	< 5.0	< 5.0	14	5.3	0.35 J	0.64 J	< 1.6	< 16	< 0.80
DPT-68	11/08/11	16	< 0.26	--	< 5.0	< 5.0	0.31 J	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-68	11/08/11	16	< 0.25	--	< 5.0	< 5.0	0.39 J	< 0.94	< 0.94	< 2.84	< 1.9	< 19	< 0.94
DPT-68	11/08/11	20	< 0.26	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-68	11/08/11	28	< 0.18	--	< 5.0	< 5.0	240	1.3	4.4	19.2	3.4	< 17	< 0.84

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-69	11/08/11	0.5	< 0.28	--	**260**	**6.8**	**0.28 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-69	11/08/11	5.5	< 0.29	--	< 5.0	< 5.0	**0.15 J**	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-69	11/08/11	10	< 0.30	--	< 5.0	< 5.0	**3.1**	**1.7**	**0.21 J**	**0.31 J**	< 1.8	< 18	< 0.88
DPT-69	11/08/11	15	< 0.24	--	< 5.0	< 5.0	**0.24 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-69	11/08/11	20	< 0.27	--	< 5.0	< 5.0	**0.15 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-69	11/08/11	20	< 0.26	--	< 5.0	< 5.0	**0.16 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-69	11/08/11	28	**1.8**	--	**6300**	**6600**	**2**	**1.3**	**0.31 J**	**1.4 J**	< 1.7	< 17	< 0.86
DPT-70	11/08/11	0.5	< 0.22	--	< 5.0	< 5.0	**3.1**	**1.5**	**0.18 J**	**0.3 J**	< 1.9	< 19	< 0.94
DPT-70	11/08/11	6.5	< 0.21	--	< 5.0	< 5.0	**2.2**	**1.4**	**0.2 J**	**0.3 J**	< 1.9	< 19	< 0.95
DPT-70	11/08/11	6.5	< 0.22	--	< 5.0	< 5.0	**3.7**	**2.6**	**0.41 J**	**0.72 J**	< 1.8	< 18	< 0.89
DPT-70	11/08/11	11	< 0.21	--	< 5.0	< 5.0	**0.55 J**	< 0.92	< 0.92	< 2.72	< 1.8	< 18	< 0.92
DPT-70	11/08/11	15.5	< 0.27	--	< 5.0	< 5.0	**0.2 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-70	11/08/11	19	< 0.19	--	< 5.0	< 5.0	**2.1**	**0.82**	**0.12 J**	**0.25 J**	< 1.5	< 15	< 0.76
DPT-70	11/08/11	26	< 0.28	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-71	11/08/11	0.5	< 0.23	--	< 5.0	< 5.0	**3.1**	**1.2**	< 0.97	< 2.87	< 1.9	< 19	< 0.97
DPT-71	11/08/11	6	< 0.27	--	< 5.0	< 5.0	**2.1**	**1.4**	**0.18 J**	**0.26 J**	< 1.8	< 18	< 0.89
DPT-71	11/08/11	10	< 0.25	--	< 5.0	< 5.0	**0.65 J**	**0.58 J**	< 0.93	**0.3 J**	< 1.9	< 19	< 0.93
DPT-71	11/08/11	15	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-71	11/08/11	20	< 0.20	--	< 5.0	< 5.0	**4.6**	**1.7**	**0.11 J**	**0.28 J**	< 1.3	< 13	< 0.65
DPT-71	11/08/11	26.5	< 0.23	--	< 5.0	< 5.0	**0.23 J**	< 0.94	< 0.94	< 2.86	< 1.9	< 19	< 0.94
DPT-71	11/08/11	26.5	< 0.24	--	< 5.0	< 5.0	**0.19 J**	< 0.96	< 0.96	< 2.86	< 1.9	< 19	< 0.96
DPT-72	11/09/11	16	< 0.22	--	**1300**	**38**	**1.8**	**1.1**	**0.27 J**	**0.43 J**	< 1.7	< 17	< 0.84
DPT-72	11/09/11	20	< 0.21	--	**48**	< 5.0	**1.6**	**0.81 J**	< 0.84	**0.23 J**	< 1.7	< 17	< 0.84
DPT-72	11/09/11	23	< 0.21	--	< 5.0	< 5.0	**2.5**	**1.2**	**0.28 J**	**0.35 J**	< 1.8	< 18	< 0.90
DPT-73	11/09/11	15	< 0.21	--	**170**	**7.9**	**1.5**	**1.1**	**0.18 J**	**0.46 J**	< 1.6	< 16	< 0.82
DPT-73	11/09/11	22	< 0.22	--	< 5.0	< 5.0	**2.2**	**0.57 J**	**9.1**	**1.5 J**	**3.4**	**14 J**	< 0.82
DPT-74	11/09/11	0	< 0.28	--	**14000**	**920**	**0.81 J**	**0.51 J**	< 0.93	**0.4 J**	< 1.9	< 19	< 0.93
DPT-74	11/09/11	0.5	< 0.22	--	**39**	< 5.0	**5**	**2.2**	**0.22 J**	**0.51 J**	< 2.0	< 20	< 1.0
DPT-74	11/09/11	6	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-74	11/09/11	11	< 0.22	--	< 5.0	< 5.0	**1.4**	**0.7 J**	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-74	11/09/11	16	< 0.27	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-74	11/09/11	20	< 0.20	--	< 5.0	< 5.0	**3.8**	**1.5**	**0.13 J**	**0.27 J**	< 1.6	< 16	< 0.82
DPT-74	11/09/11	20	< 0.19	--	< 5.0	< 5.0	**3.2**	**1.2**	< 0.79	**0.23 J**	< 1.6	< 16	< 0.79
DPT-74	11/09/11	27	< 0.26	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-75	11/09/11	0.5	< 0.26	--	**330**	**25**	**2**	**0.88 J**	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-75	11/09/11	7	< 0.22	--	< 5.0	< 5.0	**1.9**	**1.2**	**0.17 J**	**0.29 J**	< 1.8	< 18	< 0.91
DPT-75	11/09/11	11	< 0.22	--	< 5.0	< 5.0	**2.8**	**2.5**	**0.46 J**	**0.72 J**	< 1.7	< 17	< 0.86
DPT-75	11/09/11	15	< 0.26	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-75	11/09/11	18.5	< 0.26	--	< 5.0	< 5.0	**0.37 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-75	11/09/11	23	< 0.27	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-75	11/09/11	27	< 0.22	--	**24**	< 5.0	**0.64 J**	**0.45 J**	< 0.86	< 2.56	< 1.7	< 17	< 0.86
DPT-75	11/09/11	27	< 0.20	--	**23**	< 5.0	**0.59 J**	< 0.82	< 0.82	< 2.42	< 1.6	< 16	< 0.82
DPT-75	11/09/11	31	< 0.26	--	< 5.0	< 5.0	< 0.99	< 0.99	< 0.99	< 2.99	< 2.0	< 20	< 0.99
DPT-76	11/09/11	0.5	< 0.26	--	**6.3**	< 5.0	**3.2**	**1.6**	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-76	11/09/11	7	< 0.23	--	< 5.0	< 5.0	**1.6**	**0.98**	**0.13 J**	< 2.55	< 1.7	< 17	< 0.85
DPT-76	11/09/11	11	< 0.22	--	< 5.0	< 5.0	**0.96**	**0.52 J**	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-76	11/09/11	15	< 0.28	--	< 5.0	< 5.0	< 1.2	< 1.2	< 1.2	< 3.5	< 2.3	< 23	< 1.2
DPT-76	11/09/11	19.5	< 0.20	--	< 5.0	< 5.0	**1.6**	**0.51 J**	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-76	11/09/11	23.5	< 0.26	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-76	11/09/11	26.5	< 0.28	--	< 5.0	< 5.0	**0.33 J**	< 1.3	< 1.3	< 3.8	< 2.5	< 25	< 1.3
DPT-76	11/09/11	26.5	< 0.26	--	< 5.0	< 5.0	**0.27 J**	< 0.89	< 0.89	< 2.69	< 1.8	< 18	< 0.89
DPT-77	11/10/11	0.5	< 0.26	--	**75**	< 5.0	**1.6**	**1.2**	**0.17 J**	< 3	< 2.0	< 20	< 1.0
DPT-77	11/10/11	5.5	< 0.28	--	< 5.0	< 5.0	< 1.2	< 1.2	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-77	11/10/11	11	< 0.19	--	< 5.0	< 5.0	**1.1**	**0.65 J**	< 0.79	< 2.39	< 1.6	< 16	< 0.79
DPT-77	11/10/11	15	< 0.18	--	< 5.0	< 5.0	**1**	**0.79 J**	< 0.88	< 2.68	< 1.8	< 18	< 0.88
DPT-77	11/10/11	20	< 0.22	--	< 5.0	< 5.0	**0.74 J**	**0.7 J**	< 0.84	< 2.54	< 1.7	< 17	< 0.84
DPT-77	11/10/11	26.5	< 0.21	--	< 5.0	< 5.0	**0.31 J**	< 0.79	< 0.79	< 2.39	< 1.6	< 16	< 0.79
DPT-78	11/10/11	0.5	< 0.25	--	**140**	< 5.0	**0.22 J**	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-78	11/10/11	5.5	< 0.29	--	< 5.0	< 5.0	**0.22 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-78	11/10/11	11	< 0.21	--	< 5.0	< 5.0	**0.64 J**	**0.48 J**	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-78	11/10/11	15	< 0.22	--	< 5.0	< 5.0	**0.92**	**0.6 J**	< 0.76	< 2.26	< 1.5	< 15	< 0.76
DPT-78	11/10/11	20	< 0.19	--	< 5.0	< 5.0	**0.47 J**	< 0.99	< 0.99	< 2.99	< 2.0	< 20	< 0.99
DPT-78	11/10/11	20	< 0.17	--	< 5.0	< 5.0	**1.1**	**0.86**	**0.15 J**	**0.23 J**	< 1.5	< 15	< 0.74
DPT-78	11/10/11	27	< 0.22	--	< 5.0	< 5.0	**0.97**	**0.65 J**	< 0.78	< 2.38	< 1.6	< 16	< 0.78
DPT-79	11/10/11	0.5	< 0.28	--	**28**	< 5.0	**1.3**	**1 J**	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-79	11/10/11	6	< 0.30	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-79	11/10/11	11.5	< 0.20	--	< 5.0	< 5.0	**1.9**	**0.92**	< 0.78	< 2.38	< 1.6	< 16	< 0.78
DPT-79	11/10/11	16	< 0.25	--	< 5.0	< 5.0	**0.86 J**	**0.69 J**	< 0.94	< 2.84	< 1.9	**7.3 J**	< 0.94
DPT-79	11/10/11	20	< 0.19	--	< 5.0	< 5.0	**0.61 J**	< 0.80	< 0.80	< 2.4	< 1.6	< 16	< 0.80
DPT-79	11/10/11	26	< 0.20	--	< 5.0	< 5.0	**1.7**	**1.1**	**0.18 J**	< 3.1	< 2.1	< 21	< 1.0
DPT-80	11/10/11	0.5	< 0.29	--	**54**	< 5.0	**1.3**	**0.95 J**	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-80	11/10/11	6	< 0.28	--	< 5.0	< 5.0	**0.18 J**	< 1.0	< 1.0	< 3.0	< 2.0	< 20	< 1.0
DPT-80	11/10/11	6	< 0.26	--	< 5.0	< 5.0	< 1.2	< 1.2	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-80	11/10/11	11	< 0.20	--	< 5.0	< 5.0	**0.61 J**	**0.57 J**	< 0.84	< 2.54	< 1.7	< 17	< 0.84
DPT-80	11/10/11	15	< 0.21	--	< 5.0	< 5.0	**0.48 J**	**0.48 J**	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-80	11/10/11	20	< 0.23	--	< 5.0	< 5.0	**0.47 J**	**0.44 J**	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-80	11/10/11	24	< 0.20	--	< 5.0	< 5.0	**1.1**	**1.1**	**0.19 J**	**0.26 J**	< 1.5	< 15	< 0.74
DPT-81	11/10/11	0.5	< 0.21	--	**15**	< 5.0	**1.4**	**0.48 J**	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-81	11/10/11	6	**810**	--	**10000**	**3200**	**14 J**	< 46	**170**	< 139	< 93	< 930	< 46
DPT-81	11/10/11	10.5	**360**	--	**240**	**200**	< 41	< 41	**14 J**	< 124	< 83	< 830	< 41
DPT-81	11/10/11	15	**0.59**	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-81	11/10/11	18	**480**	--	**1600**	**1500**	< 56	< 56	< 56	< 166	< 110	< 1100	< 56
DPT-81	11/10/11	20	**690**	--	**180**	**170**	< 79	< 79	**64 J**	**141 J**	< 160	< 1600	< 79
DPT-81	11/10/11	24	**1500**	--	**910**	**870**	**25 J**	< 52	**52 J**	< 152	< 100	< 1000	< 52
DPT-82	11/10/11	0.5	< 0.26	--	**2200**	**370**	**1.8**	**0.76 J**	< 0.98	< 2.98	< 2.0	< 20	< 0.98
DPT-82	11/10/11	6	**470**	--	**6100**	**1800**	**0.83 J**	< 0.95	**1.1**	**1.6**	< 1.9	< 19	< 0.95
DPT-82	11/10/11	11	**33**	--	< 5.0	< 5.0	**2.3**	**1.1**	< 0.93	< 2.83	< 1.9	< 19	< 0.93
DPT-82	11/10/11	16	**0.97**	--	< 5.0	< 5.0	**3.8**	**0.52 J**	**0.51 J**	< 2.39	< 1.6	< 16	< 0.79
DPT-82	11/10/11	20	**1100**	--	**1900**	**1800**	**14 J**	< 60	**320**	< 180	< 120	< 1200	< 60
DPT-82	11/10/11	20	**4500**	--	**130**	**120**	**21 J**	< 56	**360**	< 166	< 110	< 1100	< 56
DPT-82	11/10/11	23	**2200**	--	**2800**	**2700**	**19 J**	< 54	**370**	< 164	< 110	< 1100	< 54
DPT-83	11/11/11	0.5	**0.39**	--	**3700**	**1300**	**0.9**	**0.47 J**	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-83	11/11/11	6	**420**	--	**10000**	**3200**	**8.3 J**	< 46	**19 J**	**16 J**	< 92	< 920	< 46
DPT-83	11/11/11	11	**0.25**	--	< 5.0	< 5.0	**0.96**	**0.56 J**	< 0.87	< 2.57	< 1.7	< 17	< 0.87
DPT-83	11/11/11	15	**0.33**	--	< 5.0	< 5.0	< 1.2	< 1.2	< 1.2	< 3.5	< 2.3	< 23	< 1.2
DPT-83	11/11/11	18	**1.3**	--	**12**	**13**	**1.6**	**0.79 J**	**0.14 J**	**1.02 J**	< 1.7	< 17	< 0.83
DPT-84	11/11/11	0.5	< 0.30	--	**82**	< 5.0	**5.8**	**2.4**	**0.34 J**	**0.99 J**	< 2.2	< 22	< 1.1
DPT-84	11/11/11	5	< 0.25	--	**11**	**9.5**	**0.6 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-84	11/11/11	10	**2200**	--	**3200**	**3400**	< 58	< 58	**12 J**	**28 J**	< 120	< 1200	< 58
DPT-84	11/11/11	16	**1300**	--	**2800**	**3000**	< 54	< 54	**25 J**	< 164	< 110	< 1100	< 54
DPT-84	11/11/11	20	**2100**	--	**4900**	**5100**	< 72	< 72	**91**	< 212	< 140	< 1400	< 72
DPT-84	11/11/11	23	**2100**	--	**4100**	**4300**	< 55	< 55	**72**	< 165	< 110	< 1100	< 55
DPT-85	11/11/11	0.5	< 0.30	--	**9900**	**630**	**2.4**	**0.97 J**	< 1.0	**0.34 J**	< 2.1	< 21	< 1.0
DPT-85	11/11/11	5.5	< 0.27	--	**51**	**12**	**0.95 J**	**0.67 J**	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-85	11/11/11	10.5	**560**	--	**1300**	**1300**	< 52	< 52	**78**	< 152	< 100	< 1000	< 52
DPT-85	11/11/11	15	**1600**	--	**3500**	**3700**	< 52	< 52	**89**	< 152	< 100	< 1000	< 52
DPT-85	11/11/11	20	**1**	--	< 5.0	< 5.0	**1**	**0.55 J**	**0.84**	**0.42 J**	< 1.6	< 16	< 0.80
DPT-85	11/11/11	24	**7200**	--	**3300**	**3500**	< 180	< 180	**1200**	**690**	< 370	< 3700	< 180
DPT-86	11/11/11	0.5	< 0.26	--	**47**	< 5.0	**6.6**	**3.2**	**0.43 J**	**0.92 J**	< 2.2	< 22	< 1.1
DPT-86	11/11/11	6	**2900**	--	**10000**	**9300**	< 47	< 47	**220**	< 142	< 95	< 950	< 47
DPT-86	11/11/11	6	**3400**	--	**13000**	**11000**	< 46	< 46	**160**	< 138	< 92	< 920	< 46
DPT-86	11/11/11	10	**860**	--	**3100**	**3000**	**0.2 J**	< 0.98	**0.47 J**	< 2.98	< 2.0	< 20	< 0.98
DPT-86	11/11/11	16	**950**	--	**2800**	**2900**	< 53	< 53	< 53	**17 J**	< 110	< 1100	< 53
DPT-86	11/11/11	20	**340**	--	**120**	**120**	< 41	< 41	< 41	< 122	< 81	< 810	< 41
DPT-86	11/11/11	24	**1100**	--	**1300**	**1300**	< 54	< 54	**35 J**	< 164	< 110	< 1100	< 54
DPT-87	11/11/11	0.5	< 0.26	--	**810**	**13**	**3.2**	**1.2**	< 1.0	< 3.1	< 2.1	< 21	< 1.0

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-87	11/11/11	6	< 0.20	--	< 5.0	< 5.0	**0.37 J**	< 0.78	**0.13 J**	**0.32 J**	< 1.6	< 16	< 0.78
DPT-87	11/11/11	10.5	< 0.24	--	< 5.0	< 5.0	**0.22 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-87	11/11/11	15	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-87	11/11/11	20	< 0.28	--	< 5.0	< 5.0	**0.14 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-87	11/11/11	24	< 0.23	--	< 5.0	< 5.0	**0.37 J**	< 0.91	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-87	11/11/11	24	< 0.24	--	< 5.0	< 5.0	**0.35 J**	< 0.90	< 0.90	< 2.7	< 1.8	< 18	< 0.90
DPT-88	11/14/11	0.5	< 0.25	--	**240**	**11**	**1.6**	**1.3**	**0.29 J**	**0.63 J**	< 2.1	< 21	< 1.0
DPT-88	11/14/11	5	< 0.20	--	< 5.0	< 5.0	**3.1**	**2**	**0.3 J**	**0.51 J**	< 2.6	< 26	< 1.3
DPT-88	11/14/11	10	< 0.19	--	< 5.0	< 5.0	**0.64 J**	**0.85**	**0.2 J**	**0.4 J**	< 1.5	< 15	< 0.75
DPT-88	11/14/11	15	< 0.23	--	< 5.0	< 5.0	**2**	**1.3**	**0.24 J**	**0.6 J**	**1.4 J**	**5.5 J**	< 0.82
DPT-88	11/14/11	19	**2800**	--	**1900**	**1900**	**17000**	**85000**	**42000**	**184000**	< 1700	< 17000	< 860
DPT-88	11/14/11	23	**1400**	--	**7600**	**7300**	**19000**	**50000**	**31000**	**139000**	< 150	< 1500	< 77
DPT-88	11/14/11	26	**140**	--	**2400**	**2200**	**22000**	**100000**	**30000**	**132000**	< 170	< 1700	< 85
DPT-88	11/14/11	26	**570**	--	**350**	**370**	**2500**	**4800**	**790**	**3750**	**400**	< 810	< 40
DPT-89	11/14/11	0.5	< 0.28	--	**11**	< 5.0	**0.95 J**	**1**	**0.21 J**	**0.44 J**	< 2.0	< 20	< 1.0
DPT-89	11/14/11	5	< 0.27	--	< 5.0	< 5.0	**1.2**	**4.5**	**0.8 J**	**3.25 J**	< 1.8	< 18	< 0.91
DPT-89	11/14/11	10	< 0.18	--	< 5.0	< 5.0	**3.8**	**3.8**	**0.37 J**	**0.96 J**	< 1.7	< 17	< 0.84
DPT-89	11/14/11	14	< 0.22	--	< 5.0	< 5.0	**0.34 J**	< 0.95	< 0.95	< 2.85	< 1.9	< 19	< 0.95
DPT-89	11/14/11	18	**2500**	--	**2000**	**1900**	**780**	< 360	**15000**	**72000**	< 730	< 7300	< 360
DPT-89	11/14/11	25	**29**	--	< 5.0	< 5.0	**1700**	**2100**	**410**	**2450**	**18 J**	< 750	< 38
DPT-90	11/14/11	0.5	< 0.32	--	< 5.0	< 5.0	**0.47 J**	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-90	11/14/11	5	< 0.29	--	< 5.0	< 5.0	**1.3**	**4.1**	**0.67 J**	**3.49 J**	< 2.2	< 22	< 1.1
DPT-90	11/14/11	5	< 0.30	--	< 5.0	< 5.0	**0.82 J**	**2.2**	**0.39 J**	**1.4 J**	< 2.2	< 22	< 1.1
DPT-90	11/14/11	8.5	< 0.20	--	< 5.0	< 5.0	**2.2**	**1.1**	**0.17 J**	**0.38 J**	< 1.7	< 17	< 0.84
DPT-90	11/14/11	14	**0.27**	--	< 5.0	< 5.0	**1.7**	**1.2**	**0.21 J**	**0.45 J**	< 1.7	< 17	< 0.84
DPT-90	11/14/11	20	**860**	--	**250**	**240**	**6300**	**39000**	**7000**	**48000**	< 81	< 810	< 40
DPT-90	11/14/11	26	**1800**	--	**180**	**150**	**1800**	**13000**	**3800**	**17300**	< 88	< 880	< 44
DPT-91	11/14/11	0.5	< 0.25	--	< 5.0	< 5.0	**1.2**	**1.5**	**0.3 J**	**0.56 J**	< 2.0	< 20	< 0.99
DPT-91	11/14/11	5	< 0.22	--	< 5.0	< 5.0	**6.3**	**6.6**	**1.4**	**2.37 J**	< 1.8	< 18	< 0.88
DPT-91	11/14/11	10	< 0.19	--	< 5.0	< 5.0	**1.3**	**1.3**	**0.29 J**	**0.44 J**	< 1.6	< 16	< 0.80
DPT-91	11/14/11	16	< 0.25	--	< 5.0	< 5.0	**0.4 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-91	11/14/11	18	**1700**	--	**300**	**320**	**3800**	**12000**	**14000**	**80000**	< 860	< 8600	< 430
DPT-91	11/14/11	25	**5000**	--	**18000**	**20000**	**140000**	**660000**	**190000**	**1020000**	< 4300	< 43000	< 2100
DPT-92	11/14/11	0.5	< 0.25	--	**1100**	**57**	**0.47 J**	< 1.0	< 1.0	< 3	< 2.0	< 20	< 1.0
DPT-92	11/14/11	5	< 0.28	--	< 5.0	< 5.0	**0.58 J**	**0.75 J**	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-92	11/14/11	10	**0.54**	--	< 5.0	< 5.0	**3.8**	**7.2**	**1.9**	**9.8**	< 1.9	< 19	< 0.97
DPT-92	11/14/11	15	< 0.28	--	< 5.0	< 5.0	**0.21 J**	**0.97 J**	**0.41 J**	**2.48 J**	< 2.2	< 22	< 1.1
DPT-92	11/14/11	20	**0.73**	--	< 5.0	< 5.0	**1.6**	**1.4**	**0.69 J**	**0.62 J**	< 1.6	< 16	< 0.80
DPT-92	11/14/11	25.5	**0.54**	--	< 5.0	< 5.0	**1.2**	**0.66 J**	**0.2 J**	**0.31 J**	< 1.5	< 15	< 0.73
DPT-92	11/14/11	25.5	**0.6**	--	< 5.0	< 5.0	**1.3**	**1.1**	**0.29 J**	**0.44 J**	< 1.9	< 19	< 0.95
DPT-93	11/14/11	0.5	< 0.24	--	< 5.0	< 5.0	**0.69 J**	**0.51 J**	< 0.96	**0.27 J**	< 1.9	< 19	< 0.96
DPT-93	11/14/11	5	< 0.27	--	< 5.0	< 5.0	**0.22 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-93	11/14/11	10	< 0.21	--	< 5.0	< 5.0	**1.5**	**0.95**	**0.13 J**	**0.25 J**	< 1.3	< 13	< 0.67
DPT-93	11/14/11	14.5	< 0.20	--	< 5.0	< 5.0	**0.66 J**	< 0.80	< 0.80	< 2.4	< 1.6	< 16	< 0.80
DPT-93	11/14/11	22	**2.5 J**	--	< 5.0	< 5.0	**0.57 J**	< 0.86	**0.17 J**	**0.54 J**	< 1.7	< 17	< 0.86
DPT-93	11/14/11	25	**13**	--	**320**	**340**	**0.72 J**	**0.51 J**	**1**	< 2.27	< 1.5	< 15	< 0.77
DPT-94	11/15/11	0.5	< 0.27	--	**14**	< 5.0	**0.26 J**	< 1.1	< 1.1	**0.34 J**	< 2.2	< 22	< 1.1
DPT-94	11/15/11	5	< 0.30	--	**18**	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-94	11/15/11	10	**380**	--	**5200**	**3300**	< 41	< 41	**150**	**150**	< 81	< 810	< 41
DPT-94	11/15/11	14.5	**1.7**	--	**6.9**	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-94	11/15/11	20	**1.5**	--	< 5.0	< 5.0	**1.5**	**0.66 J**	**73**	**66**	< 1.8	< 18	< 0.88
DPT-94	11/15/11	25	**500**	--	**480**	**480**	< 56	< 56	**450**	< 166	< 110	< 1100	< 56
DPT-94	11/15/11	25	**490**	--	**250**	**260**	**8.9 J**	< 52	**1000**	< 152	< 100	< 1000	< 52
DPT-95	11/15/11	0.5	< 0.25	--	**47**	< 5.0	**0.25 J**	< 0.97	< 0.97	< 2.87	< 1.9	< 19	< 0.97
DPT-95	11/15/11	5	< 0.28	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-95	11/15/11	10	< 0.20	--	< 5.0	< 5.0	**0.73 J**	**0.76**	**0.13 J**	< 2.26	< 1.5	< 15	< 0.76
DPT-95	11/15/11	14.5	< 0.26	--	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-95	11/15/11	20	**0.21**	--	< 5.0	< 5.0	**1.3**	**1.1**	**0.28 J**	**0.38 J**	< 1.7	< 17	< 0.84

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-95	11/15/11	25	< 0.20	--	< 5.0	< 5.0	**1.1**	**0.82 J**	**0.14 J**	**0.24 J**	< 1.8	< 18	< 0.88
DPT-95	11/15/11	25	< 0.22	--	< 5.0	< 5.0	**1.7**	**1**	**0.17 J**	**0.27 J**	< 1.8	< 18	< 0.90
DPT-96	11/15/11	0.5	< 0.24	--	**420**	**32**	**7.8**	**9.5**	**1.7**	**4**	< 1.8	< 18	< 0.91
DPT-96	11/15/11	5	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-96	11/15/11	10	< 0.19	--	< 5.0	< 5.0	**0.66 J**	**0.59 J**	< 0.89	< 2.69	< 1.8	< 18	< 0.89
DPT-96	11/15/11	16	< 0.20	--	< 5.0	< 5.0	**0.95**	**0.46 J**	< 0.86	< 2.56	< 1.7	< 17	< 0.86
DPT-96	11/15/11	20	< 0.21	--	< 5.0	< 5.0	**0.39 J**	< 0.83	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-96	11/15/11	25.5	< 0.20	--	< 5.0	< 5.0	**1.3**	**1.1**	**0.17 J**	**0.25 J**	< 1.7	< 17	< 0.86
DPT-96	11/15/11	25.5	< 0.24	--	< 5.0	< 5.0	**1.4**	**1.1**	**0.16 J**	**0.23 J**	< 1.6	< 16	< 0.80
DPT-97	11/15/11	0.5	< 0.24	--	**37**	< 5.0	**8.4**	**12**	**2.5**	**5.5**	< 2.0	< 20	< 1.0
DPT-97	11/15/11	0.5	< 0.26	--	**120**	**7.4**	**6.7**	**7.1**	**1.4**	**3.02 J**	< 1.9	< 19	< 0.96
DPT-97	11/15/11	5	< 0.28	--	**13**	< 5.0	**0.48 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-97	11/15/11	10	< 0.22	--	< 5.0	< 5.0	**1**	**0.86 J**	**0.13 J**	< 2.56	< 1.7	< 17	< 0.86
DPT-97	11/15/11	16	< 0.19	--	< 5.0	< 5.0	**0.79**	< 0.78	< 0.78	< 2.38	< 1.6	< 16	< 0.78
DPT-97	11/15/11	20	< 0.20	--	< 5.0	< 5.0	**0.85**	**0.73 J**	**0.13 J**	< 2.27	< 1.5	< 15	< 0.77
DPT-98	11/15/11	0.5	< 0.22	--	**13**	< 5.0	**6.9**	**6.5**	**0.97 J**	**2.18 J**	< 2.0	< 20	< 1.0
DPT-98	11/15/11	0.5	< 0.26	--	**17**	< 5.0	**5.7**	**5.4**	**0.8 J**	**1.2 J**	< 2.0	< 20	< 0.99
DPT-98	11/15/11	5	< 0.27	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-98	11/15/11	10	< 0.22	--	< 5.0	< 5.0	**0.25 J**	< 0.97	< 0.97	< 2.87	< 1.9	< 19	< 0.97
DPT-98	11/15/11	16	< 0.27	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-98	11/15/11	20	< 0.23	--	< 5.0	< 5.0	**0.57 J**	**0.66 J**	< 0.88	< 2.68	< 1.8	< 18	< 0.88
DPT-99	11/15/11	0.5	< 0.26	--	< 5.0	< 5.0	**4.1**	**4**	**0.55 J**	**1 J**	< 1.9	< 19	< 0.96
DPT-99	11/15/11	0.5	< 0.29	--	< 5.0	< 5.0	**3.7**	**3.9**	**0.63 J**	**1.1 J**	< 2.1	< 21	< 1.1
DPT-99	11/15/11	5	< 0.26	--	< 5.0	< 5.0	**0.19 J**	< 1.2	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-99	11/15/11	10	< 0.24	--	< 5.0	< 5.0	**0.79 J**	**0.65 J**	< 0.87	< 2.57	< 1.7	< 17	< 0.87
DPT-99	11/15/11	16	< 0.21	--	< 5.0	< 5.0	**1.4**	**1.2**	**0.2 J**	**0.3 J**	< 1.7	< 17	< 0.84
DPT-99	11/15/11	20	< 0.22	--	< 5.0	< 5.0	**0.58 J**	**0.64 J**	< 0.91	< 2.71	< 1.8	< 18	< 0.91
DPT-99	11/15/11	20	< 0.24	--	< 5.0	< 5.0	**0.42 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-99	11/15/11	24	< 0.20	--	< 5.0	< 5.0	**0.89**	**0.66 J**	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-100	11/16/11	0.5	< 0.26	--	**160**	**28**	**1.2**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-100	11/16/11	5	< 0.25	--	< 5.0	< 5.0	**0.39 J**	< 0.93	< 0.93	< 2.83	< 1.9	< 19	< 0.93
DPT-100	11/16/11	10	< 0.28	--	< 5.0	< 5.0	**0.18 J**	< 1.2	< 1.2	< 3.6	< 2.4	< 24	< 1.2
DPT-100	11/16/11	16	< 0.31	--	< 5.0	< 5.0	**0.18 J**	< 1.1	< 1.1	< 3.4	< 2.3	< 23	< 1.1
DPT-100	11/16/11	26	**3.3**	--	**48**	**50**	**2.6**	**5.8**	**110**	**1040**	< 1.7	< 17	< 0.87
DPT-101	11/16/11	0.5	< 0.28	--	**750**	**64**	**0.48 J**	< 1.2	< 1.2	< 3.5	< 2.3	< 23	< 1.2
DPT-101	11/16/11	5	< 0.21	--	< 5.0	< 5.0	**1.5**	**0.96**	**0.15 J**	**0.31 J**	< 1.9	< 19	< 0.95
DPT-101	11/16/11	10	< 0.25	--	< 5.0	< 5.0	< 1.0	< 1.0	**0.16 J**	**0.56 J**	< 2.1	< 21	< 1.0
DPT-101	11/16/11	10	< 0.29	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	**0.4 J**	< 2.3	< 23	< 1.1
DPT-101	11/16/11	16	< 0.30	--	< 5.0	< 5.0	**0.28 J**	< 1.1	< 1.1	**0.54 J**	< 2.3	< 23	< 1.1
DPT-101	11/16/11	21.5	< 0.22	--	< 5.0	< 5.0	**0.52 J**	< 0.90	< 0.90	< 2.7	< 1.8	< 18	< 0.90
DPT-101	11/16/11	24	< 0.22	--	< 5.0	< 5.0	**0.31 J**	< 0.84	< 0.84	< 2.54	< 1.7	< 17	< 0.84
DPT-102	11/16/11	0.5	< 0.27	--	**5.2**	< 5.0	**0.67 J**	< 1.4	< 1.4	< 4.1	< 2.7	< 27	< 1.4
DPT-102	11/16/11	5	< 0.32	--	< 5.0	< 5.0	**0.99 J**	**0.95 J**	**0.28 J**	**0.64 J**	< 2.3	< 23	< 1.2
DPT-102	11/16/11	10	< 0.25	--	< 5.0	< 5.0	**0.19 J**	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-102	11/16/11	10	< 0.26	--	< 5.0	< 5.0	**0.14 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-102	11/16/11	17	< 0.22	--	< 5.0	< 5.0	**1.2**	**0.55 J**	< 0.86	< 2.56	< 1.7	< 17	< 0.86
DPT-102	11/16/11	17	< 0.22	--	< 5.0	< 5.0	**1.6**	**0.66 J**	< 0.85	< 2.55	< 1.7	< 17	< 0.85
DPT-102	11/16/11	20	< 0.28	--	< 5.0	< 5.0	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-102	11/16/11	25	**1.7**	--	< 5.0	< 5.0	**9.2**	**0.51 J**	**3.8**	**9.5**	< 1.5	< 15	< 0.77
DPT-103	10/08/12	5	< 0.28	< 5.0	< 5.0	--	**0.24 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-103	10/08/12	10	< 0.28	< 5.0	< 5.0	--	**0.25 J**	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-103	10/08/12	15	< 0.27	< 5.0	< 5.0	--	< 1.1	< 1.1	< 1.1	< 3.3	< 2.2	< 22	< 1.1
DPT-103	10/08/12	22	< 0.21	**16**	**15**	--	**1.2**	**0.52 J**	< 0.79	< 2.39	< 1.6	< 16	< 0.79
DPT-103	10/08/12	26.5	< 0.21	< 5.0	< 5.0	--	**0.74**	**0.25 J**	< 0.41	< 1.23	< 0.82	< 8.2	< 0.41
DPT-104	10/08/12	5	< 0.25	< 5.0	**30**	--	< 1.0	< 1.0	< 1.0	< 3.1	< 2.1	< 21	< 1.0
DPT-104	10/08/12	10	**1300**	**1200**	**1300**	--	< 52	< 52	**290**	**45 J**	< 100	< 1000	< 52
DPT-104	10/08/12	15.5	**1300**	**13000**	**13000**	--	< 51	< 51	**1900**	**325**	< 100	< 1000	< 51
DPT-104	10/08/12	18	**21**	**210**	**210**	--	< 40	< 40	**96**	**32 J**	< 80	< 800	< 40

TABLE 3
SOIL INVESTIGATION RESULTS
DFSP Norwalk Facility, Norwalk California

Sample Location	Date	Sample Depth	TPH as Gasoline	TPH as JP-5	TPH as Diesel	TPH as Jet Fuel	Benzene	Toluene	Ethyl-benzene	Xylenes (Total)	MTBE	TBA	1,2-Dichloroethane
		Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
DPT-105	10/08/12	6	< 0.26	< 5.0	< 5.0	--	**0.76 J**	**0.83 J**	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-105	10/08/12	10	< 0.25	< 5.0	< 5.0	--	**0.91 J**	**0.79 J**	< 0.94	< 2.84	< 1.9	< 19	< 0.94
DPT-105	10/08/12	15	< 0.27	< 5.0	< 5.0	--	**0.55 J**	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-105	10/08/12	20	< 0.19	**5.8**	**44**	--	**1.2**	**0.76 J**	< 0.83	< 2.53	< 1.7	< 17	< 0.83
DPT-106	10/08/12	0.5	**800**	**3000**	**14000**	--	**150**	**360**	**1500**	**6000**	< 180	< 1800	< 92
DPT-106	10/08/12	5	< 0.23	< 5.0	< 5.0	--	**1.5**	**1.2**	**0.25 J**	< 2.68	< 1.8	< 18	< 0.88
DPT-106	10/08/12	10	< 0.25	**5.9**	**59**	--	< 1.1	< 1.1	< 1.1	< 3.2	< 2.1	< 21	< 1.1
DPT-106	10/08/12	16	< 0.21	**10**	**79**	--	**0.26 J**	< 0.90	< 0.90	< 2.7	< 1.8	< 18	< 0.90
DPT-106	10/08/12	19.5	**270**	**380**	**400**	--	< 41	< 41	**19 J**	< 122	< 81	< 810	< 41
DPT-106	10/08/12	25	**30**	< 5.0	< 5.0	--	< 52	< 52	**160**	< 152	< 100	< 1000	< 52
DPT-107	10/08/12	12	**450**	**760**	**790**	--	< 47	< 47	**860**	< 140	< 93	< 930	< 47
DPT-107	10/08/12	12	**360**	**440**	**510**	--	< 41	< 41	**1100**	< 123	< 82	< 820	< 41
DPT-107	10/08/12	16	**5600**	**7000**	**6600**	--	< 4500	< 4500	**69000**	**75600**	< 9000	< 90000	< 4500
DPT-107	10/08/12	20	**0.67**	< 5.0	< 5.0	--	**0.79 J**	< 1.0	**11**	**54**	< 2.0	< 20	< 1.0
DPT-107	10/08/12	24.5	**1100**	**1300**	**1200**	--	< 43	< 43	**540**	**1480**	< 86	< 860	< 43
DPT-107	10/08/12	24.5	**210**	**620**	**590**	--	< 51	< 51	**200**	**830**	< 100	< 1000	< 51

Notes
TPH = total petroleum hydrocarbons
MTBE = methyl-tert-butyl ether
TBA = tert-butyl alcohol
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
Results highlighted in yellow represent exceedances above cleanup goals.

TABLE 4
SOIL INVESTIGAITON RESULTS FROM BERMS - VOLATILE ORGANIC COMPOUNDS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**
BERM 1-1	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**52**	**2.3**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.6 J**	< 10
BERM 1-3	04/20/11	Õg/kg	< 1.9	< 1.9	< 19	**31 J**	**3.8**	< 19	**0.21 J**	< 0.97	< 0.97	< 9.7	< 0.97	< 1.9	< 0.97	< 0.97	**1.1**	< 9.7
BERM 1-6	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**33 J**	**3.5**	< 20	< 9.9	< 0.99	< 0.99	< 9.9	< 0.99	< 2.0	< 0.99	< 0.99	**0.95 J**	< 9.9
BERM 2-1	04/20/11	Õg/kg	< 2.2	< 2.2	< 22	**26 J**	**2.9**	< 22	**0.22 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**1.2**	< 11
BERM 2-3	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**22 J**	**4.6**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	**0.2 J**	**1.5**	< 10
BERM 2-6	04/20/11	Õg/kg	< 1.8	< 1.8	< 18	**13 J**	**1.7**	< 18	< 9.2	< 0.92	< 0.92	< 9.2	< 0.92	< 1.8	< 0.92	< 0.92	**0.75 J**	< 9.2
BERM 3-1	04/20/11	Õg/kg	< 2.4	< 2.4	< 24	**23 J**	**7.5**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**2.6**	< 12
BERM 3-3	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**23 J**	**7.6**	< 20	< 9.9	< 0.99	< 0.99	< 9.9	< 0.99	< 2.0	< 0.99	**0.38 J**	**2.4**	< 9.9
BERM 3-6	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**29 J**	**7.5**	< 20	< 10	**0.35 J**	< 1.0	< 10	**0.19 J**	**0.62 J**	< 1.0	**0.59 J**	**3.7**	< 10
BERM 4-1	04/20/11	Õg/kg	< 1.8	< 1.8	**14 J**	**66**	**7**	< 18	< 9.0	**0.25 J**	< 0.90	< 9.0	**0.18 J**	**0.47 J**	< 0.90	**0.64 J**	**3.2**	< 9.0
BERM 4-3	04/20/11	Õg/kg	< 2.4	< 2.4	**12 J**	**85**	**11**	< 24	< 12	**0.44 J**	< 1.2	< 12	**0.3 J**	**0.79 J**	< 1.2	**0.95 J**	**4.7**	< 12
BERM 4-6	04/20/11	Õg/kg	**0.16 J**	< 2.1	< 21	**36 J**	**8**	< 21	< 11	**0.41 J**	< 1.1	< 11	**0.24 J**	**0.66 J**	< 1.1	**0.58 J**	**4**	< 11
BERM 5-1	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**43 J**	**7**	< 20	< 9.9	**0.52 J**	< 0.99	**0.34 J**	**0.3 J**	**0.84 J**	< 0.99	**0.37 J**	**4**	< 9.9
BERM 5-3	04/20/11	Õg/kg	**0.29 J**	< 2.0	< 20	**27 J**	**3.8**	< 20	< 10	**0.26 J**	< 1.0	< 10	**0.16 J**	**0.41 J**	< 1.0	**0.39 J**	**2.1**	< 10
BERM 5-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**24 J**	**3.4**	< 21	< 10	**0.2 J**	< 1.0	< 10	< 1.0	**0.31 J**	< 1.0	**0.7 J**	**1.7**	< 10
BERM 6-1	04/20/11	Õg/kg	**0.22 J**	< 1.9	< 19	**28 J**	**6.2**	< 19	**0.23 J**	**0.36 J**	< 0.93	< 9.3	**0.24 J**	**0.63 J**	< 0.93	**0.31 J**	**3.4**	< 9.3
BERM 6-3	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**53**	**5.6**	< 20	**0.19 J**	**0.31 J**	< 0.99	< 9.9	**0.18 J**	**0.5 J**	< 0.99	**0.8 J**	**2.8**	< 9.9
BERM 6-6	04/20/11	Õg/kg	**0.13 J**	< 1.8	< 18	**16 J**	**2.3**	< 18	< 9.0	**0.28 J**	< 0.90	< 9.0	**0.16 J**	**0.4 J**	< 0.90	**0.33 J**	**1.7**	< 9.0
BERM 7-1	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**30 J**	**2.2**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**1.1**	< 10
BERM 7-3	04/20/11	Õg/kg	< 2.1	< 2.1	**17 J**	**86**	**6.4**	< 21	**0.27 J**	**0.39 J**	< 1.1	< 11	**0.24 J**	**0.67 J**	< 1.1	**0.97 J**	**3.4**	< 11
BERM 7-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**32 J**	**4.8**	< 21	< 10	**0.29 J**	< 1.0	< 10	**0.16 J**	**0.45 J**	< 1.0	**1.3**	**2.4**	< 10
BERM 8-1	04/20/11	Õg/kg	< 2.1	< 2.1	**20 J**	**94**	**4.3**	< 21	< 11	**0.22 J**	< 1.1	< 11	**0.16 J**	**0.45 J**	< 1.1	< 1.1	**1.9**	< 11
BERM 8-3	04/20/11	Õg/kg	< 2.2	< 2.2	< 22	**30 J**	**6.8**	< 22	< 11	**0.23 J**	< 1.1	< 11	**0.18 J**	**0.43 J**	< 1.1	< 1.1	**2.5**	< 11
BERM 8-6	04/20/11	Õg/kg	**0.21 J**	< 2.2	< 22	**22 J**	**6**	< 22	< 11	**0.32 J**	< 1.1	< 11	**0.22 J**	**0.54 J**	< 1.1	< 1.1	**2.8**	< 11
BERM 9-1	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**38 J**	**8.7**	< 18	< 9.1	**0.2 J**	< 0.91	< 9.1	**0.13 J**	**0.35 J**	< 0.91	< 0.91	**2.9**	< 9.1
BERM 9-3	04/21/11	Õg/kg	< 2.1	< 2.1	< 21	**50 J**	**8.5**	< 21	< 10	**0.25 J**	< 1.0	< 10	**0.2 J**	**0.45 J**	< 1.0	< 1.0	**3.4**	< 10
BERM 9-6	04/21/11	Õg/kg	**0.27 J**	< 1.9	< 19	**41 J**	**10**	< 19	< 9.6	**0.26 J**	< 0.96	< 9.6	**0.2 J**	**0.44 J**	< 0.96	< 0.96	**3.9**	< 9.6
BERM 10-1	04/21/11	Õg/kg	< 2.0	< 2.0	< 20	**44 J**	**6.8**	< 20	**0.24 J**	**0.18 J**	< 1.0	< 10	**0.12 J**	**0.29 J**	< 1.0	< 1.0	**2.7**	< 10
BERM 10-3	04/21/11	Õg/kg	< 1.9	< 1.9	**9.9 J**	**49**	**13**	< 19	**0.31 J**	**0.29 J**	< 0.93	< 9.3	**0.19 J**	**0.52 J**	< 0.93	< 0.93	**4.7**	< 9.3
BERM 10-6	04/21/11	Õg/kg	< 2.0	< 2.0	< 20	**52**	**10**	< 20	**0.27 J**	**0.2 J**	< 0.99	< 9.9	**0.13 J**	**0.37 J**	< 0.99	< 0.99	**3.7**	< 9.9
BERM 11-1	04/21/11	Õg/kg	< 1.8	< 1.8	**16 J**	**82**	**5**	< 18	**0.31 J**	**0.16 J**	< 0.91	< 9.1	**0.12 J**	**0.37 J**	< 0.91	< 0.91	**2.2**	< 9.1
BERM 11-3	04/21/11	Õg/kg	< 1.7	< 1.7	< 17	**38 J**	**4.5**	< 17	< 8.4	< 0.84	< 0.84	< 8.4	< 0.84	< 1.7	< 0.84	< 0.84	**1.4**	< 8.4
BERM 11-6	04/21/11	Õg/kg	< 1.7	< 1.7	< 17	**37 J**	**4.4**	< 17	< 8.4	< 0.84	< 0.84	< 8.4	< 0.84	< 1.7	< 0.84	< 0.84	**1.2**	< 8.4
BERM 12-1	04/21/11	Õg/kg	< 1.8	< 1.8	**16 J**	**75**	**5.3**	< 18	**0.29 J**	**0.27 J**	< 0.88	< 8.8	**0.16 J**	**0.46 J**	< 0.88	< 0.88	**2.9**	< 8.8
BERM 12-3	04/25/11	Õg/kg	< 1.9	< 1.9	**10 J**	**52**	**7.4**	< 19	**0.25 J**	**0.22 J**	< 0.96	< 9.6	**0.13 J**	**0.4 J**	< 0.96	< 0.96	**3.1**	< 9.6
BERM 12-6	04/25/11	Õg/kg	< 2.2	< 2.2	**12 J**	**56**	**13**	< 22	**0.36 J**	**0.36 J**	< 1.1	< 11	**0.2 J**	**0.54 J**	< 1.1	< 1.1	**5.2**	< 11
BERM 13-1	04/21/11	Õg/kg	< 2.3	< 2.3	**23 J**	**110**	**3.9**	< 23	**0.36 J**	< 1.2	< 1.2	< 12	< 1.2	**0.25 J**	< 1.2	< 1.2	**1.6**	< 12
BERM 13-3	04/21/11	Õg/kg	< 2.6	< 2.6	**18 J**	**84**	**1.8**	< 26	< 13	< 1.3	< 1.3	< 13	< 1.3	< 2.6	< 1.3	< 1.3	**0.55 J**	< 13

TABLE 4
SOIL INVESTIGAITON RESULTS FROM BERMS - VOLATILE ORGANIC COMPOUNDS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**
BERM 13-6	04/21/11	Õg/kg	< 1.9	< 1.9	< 19	**37 J**	**5.8**	< 19	**0.28 J**	**0.22 J**	< 0.94	< 9.4	**0.14 J**	**0.37 J**	< 0.94	< 0.94	**2.5**	< 9.4
BERM 14-1	04/21/11	Õg/kg	< 1.8	< 1.8	**11 J**	**54**	**6.6**	< 18	< 8.9	**0.21 J**	< 0.89	< 8.9	**0.18 J**	**0.41 J**	< 0.89	< 0.89	**2.6**	< 8.9
BERM 14-3	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**42 J**	**8.4**	< 18	**0.18 J**	**0.28 J**	< 0.91	< 9.1	**0.18 J**	**0.49 J**	< 0.91	< 0.91	**3.4**	< 9.1
BERM 14-6	04/21/11	Õg/kg	**0.22 J**	< 1.8	< 18	**36 J**	**13**	< 18	**0.22 J**	**0.29 J**	< 0.88	< 8.8	**0.23 J**	**0.52 J**	< 0.88	**0.31 J**	**4.3**	< 8.8
BERM 15-1	04/25/11	Õg/kg	< 3.1	< 3.1	< 31	**80**	**1.5 J**	< 31	< 15	< 1.5	< 1.5	< 15	< 1.5	< 3.1	< 1.5	< 1.5	< 1.5	< 15
BERM 15-3	04/25/11	Õg/kg	< 2.4	< 2.4	**16 J**	**120**	**2.6**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.97 J**	< 12
BERM 15-6	04/25/11	Õg/kg	< 2.2	< 2.2	< 22	**46 J**	**9.3**	< 22	**0.22 J**	**0.18 J**	< 1.1	< 11	< 1.1	**0.37 J**	< 1.1	< 1.1	**3.2**	< 11
BERM 16-1	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**33 J**	**5.9**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**1.6**	< 10
BERM 16-3	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**32 J**	**7.6**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**2.5**	< 11
BERM 16-6	04/20/11	Õg/kg	< 1.7	< 1.7	< 17	**17 J**	**7.4**	< 17	< 8.6	< 0.86	< 0.86	< 8.6	< 0.86	< 1.7	< 0.86	< 0.86	**1.9**	< 8.6
BERM 17-1	04/21/11	Õg/kg	< 1.8	< 1.8	**10 J**	**62**	**8.4**	< 18	< 8.8	**0.23 J**	< 0.88	< 8.8	**0.16 J**	**0.42 J**	< 0.88	< 0.88	**2.9**	< 8.8
BERM 17-3	04/21/11	Õg/kg	< 1.9	< 1.9	**16 J**	**72**	**3.4**	< 19	< 9.5	< 0.95	< 0.95	< 9.5	< 0.95	< 1.9	< 0.95	< 0.95	**1.1**	< 9.5
BERM 17-6	04/21/11	Õg/kg	< 2.0	< 2.0	< 20	**57**	**5.5**	< 20	< 9.8	**0.19 J**	< 0.98	< 9.8	**0.19 J**	**0.55 J**	< 0.98	< 0.98	**2.4**	< 9.8
BERM 18-1	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**42 J**	**3**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	**0.35 J**	< 1.1	< 1.1	**1.3**	< 11
BERM 18-3	04/20/11	Õg/kg	< 2.5	< 2.5	< 25	**35 J**	**5.4**	< 25	< 12	< 1.2	< 1.2	< 12	< 1.2	**0.36 J**	< 1.2	< 1.2	**2.2**	< 12
BERM 18-6	04/20/11	Õg/kg	< 2.5	< 2.5	< 25	**23 J**	**2.9**	< 25	< 13	< 1.3	< 1.3	< 13	< 1.3	**0.3 J**	< 1.3	< 1.3	**1.5**	< 13
BERM 19-1	04/20/11	Õg/kg	< 1.9	< 1.9	< 19	**19 J**	**2.4**	< 19	< 9.5	**0.18 J**	< 0.95	< 9.5	< 0.95	**0.24 J**	< 0.95	< 0.95	**1.4**	< 9.5
BERM 19-3	04/20/11	Õg/kg	**0.12 J**	< 2.0	< 20	**18 J**	**0.61 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.42 J**	< 10
BERM 19-6	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**13 J**	**0.52 J**	< 20	< 9.8	< 0.98	< 0.98	< 9.8	< 0.98	< 2.0	< 0.98	< 0.98	**0.31 J**	< 9.8
BERM 20-1	04/21/11	Õg/kg	< 2.0	< 2.0	< 20	**50**	**4.8**	< 20	< 9.8	**0.17 J**	< 0.98	< 9.8	< 0.98	**0.33 J**	< 0.98	< 0.98	**2.1**	< 9.8
BERM 20-3	04/21/11	Õg/kg	< 1.9	< 1.9	**11 J**	**71**	**4.7**	< 19	< 9.4	**0.16 J**	< 0.94	< 9.4	< 0.94	**0.38 J**	< 0.94	< 0.94	**2.2**	< 9.4
BERM 20-6	04/21/11	Õg/kg	< 1.9	< 1.9	< 19	**53**	**4.6**	< 19	< 9.6	**0.2 J**	< 0.96	< 9.6	< 0.96	**0.37 J**	< 0.96	< 0.96	**2.2**	< 9.6
BERM 21-1	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**38 J**	**7.7**	< 18	< 9.2	**0.21 J**	< 0.92	< 9.2	**0.17 J**	**0.44 J**	< 0.92	< 0.92	**3.1**	< 9.2
BERM 21-3	04/21/11	Õg/kg	**0.33 J**	< 1.8	< 18	**38 J**	**10**	< 18	< 9.2	**0.21 J**	< 0.92	< 9.2	**0.18 J**	**0.45 J**	< 0.92	< 0.92	**3.5**	< 9.2
BERM 21-6	04/21/11	Õg/kg	< 2.0	< 2.0	< 20	**35 J**	**9.5**	< 20	< 10	**0.22 J**	< 1.0	< 10	**0.21 J**	**0.46 J**	< 1.0	< 1.0	**3.5**	< 10
BERM 22-1	04/21/11	Õg/kg	< 2.0	< 2.0	**11 J**	**49 J**	**7.2**	< 20	**0.23 J**	**0.19 J**	< 0.98	< 9.8	**0.12 J**	**0.32 J**	< 0.98	< 0.98	**2.3**	< 9.8
BERM 22-3	04/21/11	Õg/kg	< 2.0	< 2.0	**10 J**	**49 J**	**12**	< 20	**0.21 J**	**0.27 J**	< 0.99	< 9.9	**0.16 J**	**0.41 J**	< 0.99	< 0.99	**3.5**	< 9.9
BERM 22-6	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**38 J**	**7.7**	< 18	< 9.1	**0.16 J**	< 0.91	< 9.1	< 0.91	**0.25 J**	< 0.91	< 0.91	**2.3**	< 9.1
BERM 23-1	04/21/11	Õg/kg	< 2.0	< 2.0	**9.7 J**	**42 J**	**4.9**	< 20	< 10	**0.25 J**	< 1.0	< 10	**0.15 J**	**0.38 J**	< 1.0	< 1.0	**2.3**	< 10
BERM 23-3	04/21/11	Õg/kg	< 1.9	< 1.9	< 19	**43 J**	**9.9**	< 19	**0.29 J**	**0.22 J**	< 0.93	< 9.3	**0.15 J**	**0.37 J**	< 0.93	< 0.93	**3**	< 9.3
BERM 23-6	04/21/11	Õg/kg	**0.17 J**	< 1.8	< 18	**51**	**12**	< 18	**0.26 J**	**0.28 J**	< 0.92	< 9.2	**0.19 J**	**0.53 J**	< 0.92	< 0.92	**3.8**	< 9.2
BERM 24-1	04/21/11	Õg/kg	< 1.7	< 1.7	< 17	**30 J**	**5.1**	< 17	< 8.6	< 0.86	< 0.86	< 8.6	< 0.86	< 1.7	< 0.86	< 0.86	**1.5**	< 8.6
BERM 24-3	04/21/11	Õg/kg	< 1.6	< 1.6	< 16	**25 J**	**5**	< 16	< 8.2	< 0.82	< 0.82	< 8.2	< 0.82	< 1.6	< 0.82	< 0.82	**1.5**	< 8.2
BERM 24-6	04/21/11	Õg/kg	< 1.9	< 1.9	< 19	**26 J**	**4.2**	< 19	< 9.6	< 0.96	< 0.96	< 9.6	< 0.96	**0.25 J**	< 0.96	< 0.96	**1.6**	< 9.6
BERM 25-1	04/21/11	Õg/kg	< 1.8	< 1.8	**8.9 J**	**46**	**3.5**	< 18	< 9.0	< 0.90	< 0.90	< 9.0	< 0.90	**0.24 J**	< 0.90	< 0.90	**1.5**	< 9.0
BERM 25-3	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**41 J**	**3.3**	< 18	< 9.1	< 0.91	< 0.91	< 9.1	< 0.91	< 1.8	< 0.91	< 0.91	**1.2**	< 9.1
BERM 26-1	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**29 J**	**2.1**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.74 J**	< 11
BERM 26-3	04/25/11	Õg/kg	< 2.0	< 2.0	< 20	**29 J**	**2**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.71 J**	< 10

TABLE 4
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DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**
BERM 26-6	04/25/11	Õg/kg	< 2.3	< 2.3	< 23	**29 J**	**1.6**	< 23	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.3	< 1.2	< 1.2	**0.74 J**	< 12
BERM 27-1	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**21 J**	**1.4**	< 20	< 9.8	< 0.98	< 0.98	< 9.8	< 0.98	< 2.0	< 0.98	< 0.98	**0.52 J**	< 9.8
BERM 27-3	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**25 J**	**0.73 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.47 J**	< 10
BERM 27-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**34 J**	**1.7**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.66 J**	< 10
BERM 28-1	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**35 J**	**1.7**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.76 J**	< 11
BERM 28-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**22 J**	**1 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.44 J**	< 11
BERM 28-6	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**33 J**	**1.7**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.66 J**	< 11
BERM 29-1	04/20/11	Õg/kg	**0.62 J**	**0.11 J**	< 21	**32 J**	**6.2**	< 21	< 11	**1.3**	< 1.1	< 11	**0.78 J**	**1.8 J**	< 1.1	< 1.1	**7.1**	< 11
BERM 29-3	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**35 J**	**1.7**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.82 J**	< 10
BERM 29-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**29 J**	**1.6**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.78 J**	< 10
BERM 30-1	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**41 J**	**1.3**	< 21	< 10	**0.18 J**	< 1.0	< 10	**0.13 J**	**0.28 J**	< 1.0	< 1.0	**1.1**	< 10
BERM 30-3	04/20/11	Õg/kg	< 2.2	< 2.2	< 22	**17 J**	**0.71 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.61 J**	< 11
BERM 30-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**17 J**	**1.4**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.73 J**	< 11
BERM 31-1	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**15 J**	**0.89 J**	< 20	**0.61 J**	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.42 J**	< 10
BERM 31-3	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**20 J**	**1.2**	< 20	**0.76 J**	< 0.99	< 0.99	< 9.9	< 0.99	< 2.0	< 0.99	< 0.99	**0.42 J**	< 9.9
BERM 31-6	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	< 56	**0.21 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	< 1.1	< 11
BERM 32-1	04/25/11	Õg/kg	< 2.0	< 2.0	< 20	**31 J**	**0.48 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.27 J**	< 10
BERM 32-3	04/25/11	Õg/kg	< 2.0	< 2.0	< 20	**28 J**	**0.76 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.48 J**	< 10
BERM 32-6	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**30 J**	**1.1**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.44 J**	< 11
BERM 33-1	04/25/11	Õg/kg	< 1.7	< 1.7	< 17	**25 J**	**2.6**	< 17	< 8.5	< 0.85	< 0.85	< 8.5	< 0.85	< 1.7	< 0.85	< 0.85	**0.83 J**	< 8.5
BERM 33-3	04/25/11	Õg/kg	< 2.2	< 2.2	< 22	**31 J**	**2.3**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.93 J**	< 11
BERM 33-6	04/25/11	Õg/kg	< 2.3	< 2.3	< 23	**29 J**	**2.9**	< 23	**0.23 J**	< 1.2	< 1.2	< 12	< 1.2	< 2.3	< 1.2	< 1.2	**1.2**	< 12
BERM 34-1	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**45 J**	**1.5**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.45 J**	< 10
BERM 34-3	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**29 J**	**1.5**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.58 J**	< 10
BERM 34-6	04/25/11	Õg/kg	< 2.3	< 2.3	< 23	**27 J**	**2.2**	< 23	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.3	< 1.1	< 1.1	**0.76 J**	< 11
BERM 35-1	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**32 J**	**1.5**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.65 J**	< 10
BERM 35-3	04/22/11	Õg/kg	< 1.8	< 1.8	< 18	**23 J**	**0.94**	< 18	< 9.2	< 0.92	< 0.92	< 9.2	< 0.92	< 1.8	< 0.92	< 0.92	**0.48 J**	< 9.2
BERM 35-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**28 J**	**1.4**	< 20	< 9.8	< 0.98	< 0.98	< 9.8	< 0.98	< 2.0	< 0.98	< 0.98	**0.56 J**	< 9.8
BERM 36-1	04/22/11	Õg/kg	< 2.4	< 2.4	< 24	**38 J**	**0.42 J**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.2 J**	< 12
BERM 36-3	04/22/11	Õg/kg	**0.17 J**	< 2.4	< 24	**51 J**	**1.4**	< 24	**0.23 J**	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.87 J**	< 12
BERM 37-1	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**40 J**	**0.56 J**	< 22	**0.23 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.37 J**	< 11
BERM 37-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**27 J**	**0.59 J**	< 22	**0.28 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.34 J**	< 11
BERM 38-1	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**24 J**	< 1.0	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	< 1.0	< 10
BERM 38-3	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**16 J**	**0.26 J**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	< 1.1	< 11
BERM 38-6	04/25/11	Õg/kg	< 2.2	< 2.2	< 22	**15 J**	**0.15 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	< 1.1	< 11
BERM 39-1	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**16 J**	**0.48 J**	< 20	< 9.9	< 0.99	< 0.99	< 9.9	< 0.99	< 2.0	< 0.99	< 0.99	**0.28 J**	< 9.9
BERM 39-3	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**9.3 J**	**0.92 J**	< 20	**1.6 J**	< 0.99	< 0.99	< 9.9	< 0.99	< 2.0	< 0.99	< 0.99	**0.83 J**	< 9.9
BERM 39-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**24 J**	**0.61 J**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.44 J**	< 11

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Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**
BERM 40-1	04/22/11	Õg/kg	**1.1 J**	**0.14 J**	**19 J**	**90**	**0.4 J**	< 25	**0.25 J**	**0.52 J**	< 1.2	< 12	**0.45 J**	**0.52 J**	**0.19 J**	< 1.2	**0.58 J**	< 12
BERM 40-3	04/22/11	Õg/kg	**0.78 J**	< 2.6	**28**	**120**	**0.45 J**	< 26	**0.34 J**	< 1.3	< 1.3	< 13	< 1.3	< 2.6	< 1.3	< 1.3	**0.41 J**	< 13
BERM 40-6	04/22/11	Õg/kg	< 2.6	< 2.6	**33**	**150**	**0.42 J**	< 26	**0.24 J**	< 1.3	< 1.3	< 13	< 1.3	< 2.6	< 1.3	< 1.3	**0.32 J**	**0.29 J**
BERM 41-1	04/20/11	Õg/kg	< 2.3	< 2.3	< 23	**20 J**	**1.1 J**	< 23	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.3	< 1.2	< 1.2	**0.8 J**	< 12
BERM 41-3	04/20/11	Õg/kg	< 2.5	< 2.5	< 25	**33 J**	**0.82 J**	< 25	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.5	< 1.2	< 1.2	**0.52 J**	< 12
BERM 41-6	04/20/11	Õg/kg	< 2.3	< 2.3	< 23	**55 J**	**1.1 J**	< 23	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.3	< 1.2	< 1.2	**0.73 J**	< 12
BERM 42-1	04/21/11	Õg/kg	< 1.9	< 1.9	< 19	**12 J**	**0.65 J**	< 19	**0.23 J**	< 0.94	< 0.94	< 9.4	< 0.94	< 1.9	< 0.94	< 0.94	**0.53 J**	< 9.4
BERM 42-3	04/21/11	Õg/kg	< 2.0	< 2.0	**14 J**	**55**	**0.65 J**	< 20	**0.32 J**	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.41 J**	< 10
BERM 42-6	04/21/11	Õg/kg	< 1.8	< 1.8	**8.8 J**	**56**	**1.5**	< 18	**0.21 J**	**0.18 J**	< 0.91	< 9.1	**0.12 J**	**0.29 J**	< 0.91	< 0.91	**1.4**	< 9.1
BERM 43-1	04/22/11	Õg/kg	< 2.4	< 2.4	< 24	**33 J**	**0.56 J**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.43 J**	< 12
BERM 43-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**33 J**	**0.75 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.59 J**	< 11
BERM 43-6	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**29 J**	**0.72 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.55 J**	< 11
BERM 44-1	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**27 J**	**0.34 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.19 J**	< 11
BERM 44-3	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**29 J**	**0.29 J**	< 21	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	< 1.1	< 11
BERM 44-6	04/22/11	Õg/kg	< 2.3	< 2.3	< 23	**23 J**	**0.74 J**	< 23	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.3	< 1.2	< 1.2	**0.47 J**	< 12
BERM 45-1	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**12 J**	**0.53 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.36 J**	< 11
BERM 45-3	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**21 J**	**1.3**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.58 J**	< 10
BERM 45-6	04/22/11	Õg/kg	< 2.5	< 2.5	< 25	**25 J**	**0.76 J**	< 25	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.5	< 1.2	< 1.2	**0.4 J**	< 12
BERM 46-1	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**30 J**	**1.2**	< 19	**0.19 J**	< 0.95	< 0.95	< 9.5	< 0.95	< 1.9	< 0.95	< 0.95	**0.56 J**	< 9.5
BERM 46-3	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**38 J**	**1.1**	< 19	< 9.5	< 0.95	< 0.95	< 9.5	< 0.95	< 1.9	< 0.95	< 0.95	**0.51 J**	< 9.5
BERM 46-6	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**30 J**	**0.67 J**	< 19	< 9.4	< 0.94	< 0.94	< 9.4	< 0.94	< 1.9	< 0.94	< 0.94	**0.34 J**	< 9.4
BERM 47-1	04/22/11	Õg/kg	< 2.5	< 2.5	< 25	**35 J**	**1.7**	< 25	< 12	**0.33 J**	< 1.2	< 12	**0.2 J**	**0.48 J**	< 1.2	< 1.2	**2**	< 12
BERM 47-3	04/22/11	Õg/kg	< 2.3	< 2.3	< 23	**37 J**	**2.5**	< 23	< 12	**0.48 J**	< 1.2	< 12	**0.26 J**	**0.55 J**	< 1.2	< 1.2	**2.8**	< 12
BERM 47-6	04/22/11	Õg/kg	< 2.2	**0.12 J**	< 22	**43 J**	**5.1**	< 22	< 11	**1.5**	**0.16 J**	< 11	**0.82 J**	**2.1 J**	< 1.1	< 1.1	**7.3**	< 11
BERM 48-1	04/22/11	Õg/kg	< 2.7	< 2.7	< 27	**41 J**	**1.7**	< 27	< 14	< 1.4	< 1.4	< 14	< 1.4	< 2.7	< 1.4	< 1.4	**1.4**	< 14
BERM 48-3	04/22/11	Õg/kg	< 2.3	< 2.3	< 23	**36 J**	**2.2**	< 23	< 12	**0.5 J**	< 1.2	< 12	**0.28 J**	**0.51 J**	< 1.2	< 1.2	**3**	< 12
BERM 48-6	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**17 J**	**1.6**	< 22	**0.22 J**	**0.24 J**	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**1.5**	< 11
BERM 49-1	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**41 J**	**3.2**	< 20	< 9.9	**0.36 J**	< 0.99	< 9.9	< 0.99	**0.43 J**	< 0.99	< 0.99	**2.3**	< 9.9
BERM 49-3	04/22/11	Õg/kg	**0.15 J**	< 1.9	< 19	**40 J**	**3**	< 19	< 9.7	**0.66 J**	< 0.97	< 9.7	< 0.97	**0.84 J**	< 0.97	< 0.97	**4.1**	< 9.7
BERM 49-6	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**34 J**	**3.5**	< 19	< 9.6	**0.41 J**	< 0.96	< 9.6	**0.11 J**	**0.42 J**	< 0.96	< 0.96	**2.6**	< 9.6
BERM 50-1	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**41 J**	**4.7**	< 21	< 11	**0.45 J**	< 1.1	< 11	**0.21 J**	**0.53 J**	< 1.1	< 1.1	**3.9**	< 11
BERM 50-3	04/22/11	Õg/kg	< 2.7	< 2.7	< 27	**38 J**	**1.3 J**	< 27	< 13	< 1.3	< 1.3	< 13	< 1.3	< 2.7	< 1.3	< 1.3	**1.1 J**	< 13
BERM 50-6	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**40 J**	**3.4**	< 19	< 9.5	**0.32 J**	< 0.95	< 9.5	< 0.95	**0.52 J**	< 0.95	< 0.95	**2.5**	< 9.5
BERM 51-1	04/22/11	Õg/kg	< 2.0	< 2.0	**18 J**	**89**	**8.3**	< 20	**0.32 J**	**0.7 J**	< 1.0	< 10	**0.46 J**	**1 J**	< 1.0	< 1.0	**6.1**	< 10
BERM 51-3	04/22/11	Õg/kg	< 2.1	< 2.1	**14 J**	**85**	**5.3**	< 21	**0.27 J**	**0.53 J**	< 1.0	< 10	**0.34 J**	**0.74 J**	< 1.0	< 1.0	**4**	< 10
BERM 51-6	04/22/11	Õg/kg	< 1.9	< 1.9	**12 J**	**65**	**4.9**	< 19	**0.29 J**	**0.42 J**	< 0.97	< 9.7	**0.3 J**	**0.61 J**	< 0.97	< 0.97	**3.3**	< 9.7
BERM 52-1	04/21/11	Õg/kg	**0.24 J**	< 1.5	< 15	**21 J**	**1.4**	< 15	**0.2 J**	**0.21 J**	< 0.74	< 7.4	**0.14 J**	**0.35 J**	< 0.74	< 0.74	**1.3**	< 7.4
BERM 52-3	04/21/11	Õg/kg	< 1.8	< 1.8	< 18	**44 J**	**0.92**	< 18	**0.19 J**	< 0.89	< 0.89	< 8.9	< 0.89	< 1.8	< 0.89	< 0.89	**0.62 J**	< 8.9

TABLE 4
SOIL INVESTIGAITON RESULTS FROM BERMS - VOLATILE ORGANIC COMPOUNDS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**
BERM 52-6	04/21/11	Õg/kg	< 2.2	< 2.2	< 22	**50 J**	**1.8**	< 22	**0.23 J**	< 1.1	< 1.1	< 11	< 1.1	**0.22 J**	< 1.1	< 1.1	**1.1**	< 11
BERM 53-1	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**32 J**	**1.4**	< 21	< 10	**0.18 J**	< 1.0	< 10	< 1.0	**0.23 J**	< 1.0	< 1.0	**1.2**	< 10
BERM 53-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**38 J**	**4.4**	< 22	< 11	**0.68 J**	< 1.1	< 11	**0.38 J**	**0.99 J**	< 1.1	< 1.1	**4.3**	< 11
BERM 53-6	04/22/11	Õg/kg	< 1.8	< 1.8	< 18	**28 J**	**0.97**	< 18	< 9.2	< 0.92	< 0.92	< 9.2	< 0.92	< 1.8	< 0.92	< 0.92	**0.58 J**	< 9.2
BERM 54-1	04/22/11	Õg/kg	< 2.3	< 2.3	< 23	**43 J**	**2**	< 23	**0.28 J**	**0.43 J**	< 1.2	< 12	**0.25 J**	**0.54 J**	< 1.2	< 1.2	**2.3**	< 12
BERM 54-3	04/22/11	Õg/kg	< 2.4	< 2.4	< 24	**46 J**	**1.1 J**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.74 J**	< 12
BERM 54-6	04/22/11	Õg/kg	< 2.3	< 2.3	< 23	**28 J**	**0.86 J**	< 23	**0.32 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.3	< 1.1	< 1.1	**0.52 J**	< 11
BERM 55-1	04/22/11	Õg/kg	< 2.5	< 2.5	**13 J**	**71**	**2.2**	< 25	**0.24 J**	**0.2 J**	< 1.2	< 12	< 1.2	**0.31 J**	< 1.2	< 1.2	**1.5**	< 12
BERM 55-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**50 J**	**1.7**	< 22	**0.25 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.91 J**	< 11
BERM 55-6	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**49 J**	**1.6**	< 21	**0.25 J**	< 1.1	< 1.1	< 11	< 1.1	< 2.1	< 1.1	< 1.1	**0.8 J**	< 11
BERM 56-1	04/22/11	Õg/kg	< 2.4	< 2.4	< 24	**67**	**0.62 J**	< 24	< 12	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.3 J**	< 12
BERM 56-3	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**55**	**1.7**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**1.1**	< 10
BERM 56-6	04/22/11	Õg/kg	< 2.9	< 2.9	**19 J**	**93**	**0.53 J**	< 29	< 14	< 1.4	< 1.4	< 14	< 1.4	< 2.9	< 1.4	< 1.4	**0.37 J**	< 14
BERM 57-1	04/22/11	Õg/kg	< 2.1	< 2.1	**11 J**	**60**	**1.9**	< 21	**0.26 J**	**0.19 J**	< 1.0	**0.58 J**	**0.23 J**	**0.33 J**	< 1.0	< 1.0	**1.4**	< 10
BERM 57-3	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**48 J**	**1.4**	**2.1 J**	**0.22 J**	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.81 J**	< 10
BERM 57-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**51**	**1.6**	< 20	**0.23 J**	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.96 J**	< 10
BERM 58-1	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**12 J**	**0.75 J**	< 19	< 9.5	< 0.95	< 0.95	< 9.5	< 0.95	< 1.9	< 0.95	< 0.95	**0.32 J**	< 9.5
BERM 58-3	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**34 J**	**6.5**	< 19	**0.16 J**	< 0.93	< 0.93	< 9.3	< 0.93	< 1.9	< 0.93	< 0.93	**1.4**	< 9.3
BERM 58-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**29 J**	**6.9**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**2.3**	< 10
BERM 59-1	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**30 J**	**1.1**	< 19	< 9.6	< 0.96	< 0.96	< 9.6	< 0.96	< 1.9	< 0.96	< 0.96	**0.45 J**	< 9.6
BERM 59-3	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**22 J**	**1.5**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.61 J**	< 10
BERM 59-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**19 J**	**3.9**	< 20	< 9.8	< 0.98	< 0.98	< 9.8	< 0.98	< 2.0	< 0.98	< 0.98	**1.4**	< 9.8
BERM 60-1	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**22 J**	**1.4**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.55 J**	< 10
BERM 60-3	04/20/11	Õg/kg	< 2.0	< 2.0	< 20	**33 J**	**4.1**	< 20	**0.2 J**	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**1.2**	< 10
BERM 60-6	04/20/11	Õg/kg	< 2.1	< 2.1	< 21	**25 J**	**7.1**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**2**	< 10
BERM 61-1	04/25/11	Õg/kg	< 2.1	< 2.1	< 21	**20 J**	**1.4**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.72 J**	< 10
BERM 61-3	04/25/11	Õg/kg	< 2.0	< 2.0	< 20	**36 J**	**0.77 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.33 J**	< 10
BERM 61-6	04/25/11	Õg/kg	< 2.2	< 2.2	< 22	**42 J**	**0.98 J**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**0.52 J**	< 11
BERM 62-1	04/22/11	Õg/kg	< 1.9	< 1.9	< 19	**19 J**	**1.1**	< 19	< 9.5	< 0.95	< 0.95	< 9.5	< 0.95	< 1.9	< 0.95	< 0.95	**0.48 J**	< 9.5
BERM 62-3	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**16 J**	**0.74 J**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.29 J**	< 10
BERM 62-6	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**47 J**	**2.4**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**1 J**	< 10
BERM 63-1	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**21 J**	**0.99 J**	< 20	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.0	< 1.0	< 1.0	**0.41 J**	< 10
BERM 63-3	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**21 J**	**1.1**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.45 J**	< 10
BERM 63-6	04/22/11	Õg/kg	< 2.0	< 2.0	< 20	**21 J**	**0.85 J**	< 20	< 9.8	< 0.98	< 0.98	< 9.8	< 0.98	< 2.0	< 0.98	< 0.98	**0.4 J**	< 9.8
BERM 64-1	04/22/11	Õg/kg	< 2.4	< 2.4	< 24	**18 J**	**0.97 J**	< 24	**0.23 J**	< 1.2	< 1.2	< 12	< 1.2	< 2.4	< 1.2	< 1.2	**0.56 J**	< 12
BERM 64-3	04/22/11	Õg/kg	< 2.2	< 2.2	< 22	**40 J**	**2.4**	< 22	< 11	< 1.1	< 1.1	< 11	< 1.1	< 2.2	< 1.1	< 1.1	**1 J**	< 11
BERM 64-6	04/22/11	Õg/kg	< 2.1	< 2.1	< 21	**32 J**	**1.2**	< 21	< 10	< 1.0	< 1.0	< 10	< 1.0	< 2.1	< 1.0	< 1.0	**0.6 J**	< 10

TABLE 4
SOIL INVESTIGAITON RESULTS FROM BERMS - VOLATILE ORGANIC COMPOUNDS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	Units	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Bromomethane	Carbon Disulfide	Ethylbenzene	Isopropylbenzene	Naphthalene	o-Xylene	p/m-Xylene	sec-Butylbenzene	Tetrachloroethene	Toluene	Trichlorofluoromethane
Industrial RSLs		Õg/kg	**260,000**	**10,000,000**	**2,800,000**	**630,000,000**	**5,400**	**32,000**	**3,700,000**	**27,000**	**---**	**18,000**	**19,000,000**	**17,000,000**	**---**	**2,600**	**45,000,000**	**3,400,000**

Notes:
1. Õg/kg = micrograms per
2. All VOC compounds not shown in this table were not detected
3. All samples collected at 6ft below the top of the berms were collected at a soil depth corresponding with adjacent ground surface, and not the interior of the berms. These soil samples were collected to identify any potential surface spill, and were collected for delineation purposes only.

Levels

TABLE 5
SOIL INVESTIGATION RESULTS FROM BERMS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	TPH as Gasoline (mg/kg)	TPH as JP-5 (mg/kg)
CRWQCB Screening Levels 20-150 ft above groudnwater		**500**	**1,000**
BERM 1-1	04/20/11	< 0.24 J	**22**
BERM 1-3	04/20/11	< 0.35	< 5.0
BERM 1-6	04/20/11	< 0.28	< 5.0
BERM 2-1	04/20/11	< 0.32	< 5.0
BERM 2-3	04/20/11	< 0.25	< 5.0
BERM 2-6	04/20/11	< 0.22	< 5.0
BERM 3-1	04/20/11	< 0.38	< 5.0
BERM 3-3	04/20/11	< 0.23	< 5.0
BERM 3-6	04/20/11	< 0.23	< 5.0
BERM 4-1	04/20/11	< 0.28	< 5.0
BERM 4-3	04/20/11	< 0.25	**12 J**
BERM 4-6	04/20/11	< 0.26	< 5.0
BERM 5-1	04/20/11	< 0.25	< 5.0
BERM 5-3	04/20/11	< 0.28	< 5.0
BERM 5-6	04/20/11	< 0.28	< 5.0
BERM 6-1	04/20/11	< 0.21	< 5.0
BERM 6-3	04/20/11	< 0.24	< 5.0
BERM 6-6	04/20/11	< 0.25	< 5.0
BERM 7-1	04/20/11	< 0.28	< 5.0
BERM 7-3	04/20/11	< 0.37	< 5.0
BERM 7-6	04/20/11	< 0.27	< 5.0
BERM 8-1	04/20/11	< 0.29 J	**11 J**
BERM 8-3	04/20/11	< 0.25	< 5.0
BERM 8-6	04/20/11	< 0.33	< 5.0
BERM 9-1	04/21/11	< 0.25	< 5.0
BERM 9-3	04/21/11	< 0.22	< 5.0
BERM 9-6	04/21/11	< 0.21	< 5.0
BERM 10-1	04/21/11	< 0.32	< 5.0
BERM 10-3	04/21/11	< 0.23	< 5.0
BERM 10-6	04/21/11	< 0.21	< 5.0
BERM 11-1	04/21/11	< 0.22	**12**
BERM 11-3	04/21/11	< 0.22	< 5.0
BERM 11-6	04/21/11	< 0.22	< 5.0
BERM 12-1	04/21/11	< 0.25	< 5.0
BERM 12-3	04/25/11	< 0.34	< 5.0
BERM 12-6	04/25/11	< 0.25	< 5.0
BERM 13-1	04/21/11	< 0.30	**62**
BERM 13-3	04/21/11	< 0.23	**98**
BERM 13-6	04/21/11	< 0.24	**12**
BERM 14-1	04/21/11	< 0.24	< 5.0
BERM 14-3	04/21/11	< 0.21	< 5.0
BERM 14-6	04/21/11	< 0.23	< 5.0
BERM 15-1	04/25/11	< 0.35	**300**
BERM 15-3	04/25/11	< 0.30	**150**

TABLE 5
SOIL INVESTIGATION RESULTS FROM BERMS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	TPH as Gasoline (mg/kg)	TPH as JP-5 (mg/kg)
CRWQCB Screening Levels 20-150 ft above groudnwater		**500**	**1,000**
BERM 15-6	04/25/11	< 0.29	< 5.0
BERM 16-1	04/20/11	< 0.29	< 5.0
BERM 16-3	04/20/11	< 0.29	**17 J**
BERM 16-6	04/20/11	< 0.25	< 5.0
BERM 17-1	04/21/11	< 0.21	< 5.0
BERM 17-3	04/21/11	< 0.27	**14 J**
BERM 17-6	04/21/11	< 0.29	< 5.0
BERM 18-1	04/20/11	< 0.32	< 5.0
BERM 18-3	04/20/11	< 0.27	< 5.0
BERM 18-6	04/20/11	< 0.27	< 5.0
BERM 19-1	04/20/11	< 0.28	< 5.0
BERM 19-3	04/20/11	< 0.28	**5.9**
BERM 19-6	04/20/11	< 0.23	< 5.0
BERM 20-1	04/21/11	< 0.24	< 5.0
BERM 20-3	04/21/11	< 0.24	< 5.0
BERM 20-6	04/21/11	< 0.26	< 5.0
BERM 21-1	04/21/11	< 0.26	< 5.0
BERM 21-3	04/21/11	< 0.24	< 5.0
BERM 21-6	04/21/11	< 0.27	< 5.0
BERM 22-1	04/21/11	< 0.29	**5.1**
BERM 22-3	04/21/11	< 0.25	< 5.0
BERM 22-6	04/21/11	< 0.22	< 5.0
BERM 23-1	04/21/11	< 0.26	**18**
BERM 23-3	04/21/11	< 0.23	< 5.0
BERM 23-6	04/21/11	< 0.25	< 5.0
BERM 24-1	04/21/11	< 0.21	< 5.0
BERM 24-3	04/21/11	< 0.25	< 5.0
BERM 24-6	04/21/11	< 0.26	< 5.0
BERM 25-1	04/21/11	< 0.23	< 5.0
BERM 25-3	04/21/11	< 0.22	< 5.0
BERM 26-1	04/25/11	< 0.26	< 5.0
BERM 26-3	04/25/11	< 0.26	< 5.0
BERM 26-6	04/25/11	< 0.30	< 5.0
BERM 27-1	04/22/11	< 0.25	< 5.0
BERM 27-3	04/22/11	< 0.23	**16 J**
BERM 27-6	04/22/11	< 0.26	< 5.0
BERM 28-1	04/22/11	< 0.27	**5.3 J**
BERM 28-3	04/22/11	< 0.28	< 5.0
BERM 28-6	04/22/11	< 0.32	< 5.0
BERM 29-1	04/20/11	< 0.25	**7.2**
BERM 29-3	04/20/11	< 0.26	< 5.0
BERM 29-6	04/20/11	< 0.28	< 5.0
BERM 30-1	04/20/11	< 0.30	**9 J**

TABLE 5
SOIL INVESTIGATION RESULTS FROM BERMS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	TPH as Gasoline (mg/kg)	TPH as JP-5 (mg/kg)
CRWQCB Screening Levels 20-150 ft above groudnwater		**500**	**1,000**
BERM 30-3	04/20/11	< 0.26	< 5.0
BERM 30-6	04/20/11	< 0.29	< 5.0
BERM 31-1	04/22/11	< 0.26	< 5.0
BERM 31-3	04/22/11	< 0.23	< 5.0
BERM 31-6	04/22/11	< 0.27	< 5.0
BERM 32-1	04/25/11	< 0.28	< 5.0
BERM 32-3	04/25/11	< 0.34	< 5.0
BERM 32-6	04/25/11	< 0.28	< 5.0
BERM 33-1	04/25/11	< 0.24	< 5.0
BERM 33-3	04/25/11	< 0.22	< 5.0
BERM 33-6	04/25/11	< 0.26	< 5.0
BERM 34-1	04/25/11	< 0.26	**6.3**
BERM 34-3	04/25/11	< 0.24	< 5.0
BERM 34-6	04/25/11	< 0.25	< 5.0
BERM 35-1	04/22/11	< 0.26	**9.6**
BERM 35-3	04/22/11	< 0.24	< 5.0
BERM 35-6	04/22/11	< 0.25	< 5.0
BERM 36-1	04/22/11	< 0.28	**16 J**
BERM 36-3	04/22/11	< 0.29	**16 J**
BERM 37-1	04/22/11	< 0.28	< 5.0
BERM 37-3	04/22/11	< 0.28	< 5.0
BERM 38-1	04/25/11	< 0.24	**22 J**
BERM 38-3	04/25/11	< 0.35	< 5.0
BERM 38-6	04/25/11	< 0.28	< 5.0
BERM 39-1	04/20/11	< 0.26	< 5.0
BERM 39-3	04/20/11	< 0.25	< 5.0
BERM 39-6	04/20/11	< 0.27	< 5.0
BERM 40-1	04/22/11	< 0.26	**32 J**
BERM 40-3	04/22/11	< 0.30	**67 J**
BERM 40-6	04/22/11	< 0.32	**63 J**
BERM 41-1	04/20/11	< 0.36	< 5.0
BERM 41-3	04/20/11	< 0.27	< 5.0
BERM 41-6	04/20/11	< 0.29	< 5.0
BERM 42-1	04/21/11	< 0.21	< 5.0
BERM 42-3	04/21/11	< 0.23	< 5.0
BERM 42-6	04/21/11	< 0.22	< 5.0
BERM 43-1	04/22/11	< 0.26	< 5.0
BERM 43-3	04/22/11	< 0.28	< 5.0
BERM 43-6	04/22/11	< 0.28	< 5.0
BERM 44-1	04/22/11	< 0.28	< 5.0
BERM 44-3	04/22/11	< 0.22	< 5.0
BERM 44-6	04/22/11	< 0.30	< 5.0
BERM 45-1	04/22/11	< 0.32	**7.3 J**

TABLE 5
SOIL INVESTIGATION RESULTS FROM BERMS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	TPH as Gasoline (mg/kg)	TPH as JP-5 (mg/kg)
CRWQCB Screening Levels 20-150 ft above groudnwater		**500**	**1,000**
BERM 45-3	04/22/11	< 0.25	< 5.0
BERM 45-6	04/22/11	< 0.26	< 5.0
BERM 46-1	04/22/11	< 0.25	< 5.0
BERM 46-3	04/22/11	< 0.24	< 5.0
BERM 46-6	04/22/11	< 0.24	< 5.0
BERM 47-1	04/22/11	< 0.28	**150 J**
BERM 47-3	04/22/11	< 0.26	< 5.0
BERM 47-6	04/22/11	< 0.29	< 5.0
BERM 48-1	04/22/11	< 0.28	< 5.0
BERM 48-3	04/22/11	< 0.29	< 5.0
BERM 48-6	04/22/11	< 0.26	< 5.0
BERM 49-1	04/22/11	< 0.38	< 5.0
BERM 49-3	04/22/11	< 0.24	< 5.0
BERM 49-6	04/22/11	< 0.28	< 5.0
BERM 50-1	04/22/11	< 0.26	< 5.0
BERM 50-3	04/22/11	< 0.27	< 5.0
BERM 50-6	04/22/11	< 0.25	< 5.0
BERM 51-1	04/22/11	< 0.26	< 5.0
BERM 51-3	04/22/11	< 0.26	< 5.0
BERM 51-6	04/22/11	< 0.26	< 5.0
BERM 52-1	04/21/11	< 0.26	< 5.0
BERM 52-3	04/21/11	< 0.24	< 5.0
BERM 52-6	04/21/11	< 0.22	< 5.0
BERM 53-1	04/22/11	< 0.24	< 5.0
BERM 53-3	04/22/11	< 0.28	< 5.0
BERM 53-6	04/22/11	< 0.25	< 5.0
BERM 54-1	04/22/11	< 0.29	< 5.0
BERM 54-3	04/22/11	< 0.27	< 5.0
BERM 54-6	04/22/11	< 0.30	< 5.0
BERM 55-1	04/22/11	< 0.34	< 5.0
BERM 55-3	04/22/11	< 0.31	< 5.0
BERM 55-6	04/22/11	< 0.29	< 5.0
BERM 56-1	04/22/11	< 0.36	**23 J**
BERM 56-3	04/22/11	< 0.27	**5.2 J**
BERM 56-6	04/22/11	< 0.34	**86**
BERM 57-1	04/22/11	< 0.24	< 5.0
BERM 57-3	04/22/11	< 0.27	**5.7 J**
BERM 57-6	04/22/11	< 0.25	< 5.0
BERM 58-1	04/22/11	< 0.27	< 5.0
BERM 58-3	04/22/11	< 0.24	**23 J**
BERM 58-6	04/22/11	< 0.25	< 5.0
BERM 59-1	04/22/11	< 0.24	< 5.0
BERM 59-3	04/22/11	< 0.23	< 5.0

TABLE 5
SOIL INVESTIGATION RESULTS FROM BERMS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm	Date	TPH as Gasoline (mg/kg)	TPH as JP-5 (mg/kg)
CRWQCB Screening Levels 20-150 ft above groudnwater		**500**	**1,000**
BERM 59-6	04/22/11	< 0.24	< 5.0
BERM 60-1	04/20/11	< 0.25	**12 J**
BERM 60-3	04/20/11	< 0.27 J	**5.2 J**
BERM 60-6	04/20/11	< 0.27	< 5.0
BERM 61-1	04/25/11	< 0.25	< 5.0
BERM 61-3	04/25/11	< 0.26	< 5.0
BERM 61-6	04/25/11	< 0.31	< 5.0
BERM 62-1	04/22/11	< 0.24	< 5.0
BERM 62-3	04/22/11	< 0.26	< 5.0
BERM 62-6	04/22/11	< 0.24	< 5.0
BERM 63-1	04/22/11	< 0.24	< 5.0
BERM 63-3	04/22/11	< 0.32	< 5.0
BERM 63-6	04/22/11	< 0.25	< 5.0
BERM 64-1	04/22/11	< 0.30	< 5.0
BERM 64-3	04/22/11	< 0.36	< 5.0
BERM 64-6	04/22/11	< 0.32	< 5.0

Notes:

1. mg/kg = millligrams per kilograms

2. All samples collected at 6ft below the top of the berms were collected at a soil depth corresponding with adjacent ground surface, and not the interior of the berms. These soil samples were collected to identify any potential surface spill, and were collected for delineation purposes only.

3. CRWQCB = Central Region Water Quality Control Board (May 1996 Guidebook)

TABLE 6
SOIL INVESTIGATION RESULTS FROM BERMS - METALS
DFSP Norwalk Facility, Norwalk California

Sample Location - Depth of Sample Below Top of Berm		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	RSLs	410	1.6	190,000	2,000	800	1,500,000	300	41,000	800	34	5,100	20,000	5,100	5,100	---	5,200	310,000
	CHHSLs	380	0.24	63,000	1,700	7.5	100,000	3,200	38,000	3,500	180	4,800	1600	4,800	4,800	63	6,700	100,000
	Date	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BERM 1-3	04/20/11	< 0.750	**5.09**	**110**	**0.418**	< 0.500	**19.1**	**9.63**	**21.9**	**3.47**	< 0.0835	**0.385**	**13.9**	< 0.750	< 0.250	< 0.750	**32**	**42.4**
BERM 4-3	04/20/11	< 0.750	**7.03**	**159**	**0.528**	< 0.500	**27.8**	**12**	**28.2**	**10.3**	< 0.0835	< 0.250	**19.1**	< 0.750	< 0.250	< 0.750	**41.6**	**59**
BERM 6-1	04/20/11	< 0.750	**8.99**	**168**	**0.557**	< 0.500	**24.3**	**13**	**30.5**	**6.9**	< 0.0835	< 0.250	**18.7**	< 0.750	< 0.250	< 0.750	**44.1**	**57.1**
BERM 8-1	04/20/11	< 0.750	**5.99**	**153**	**0.486**	< 0.500	**23.2**	**11.5**	**23.5**	**6.45**	< 0.0835	< 0.250	**17.9**	< 0.750	< 0.250	< 0.750	**39.3**	**57.7**
BERM 10-3	04/21/11	< 0.750	**5.16**	**143**	**0.491**	< 0.500	**22.9**	**11.8**	**24.7**	**3.94**	< 0.0835	< 0.250	**16.2**	< 0.750	< 0.250	< 0.750	**38.6**	**52.1**
BERM 12-1	04/21/11	< 0.750	**10.2**	**196**	**0.652**	< 0.500	**27.8**	**14.9**	**36.4**	**6.95**	< 0.0835	< 0.250	**21.8**	< 0.750	< 0.250	< 0.750	**50.5**	**67.5**
BERM 13-1	04/21/11	< 0.750	**10.5**	**196**	**0.444**	**3.31**	**29.1**	**18**	**202**	**41.9**	< 0.0835	**0.486**	**48.9**	< 0.750	< 0.250	< 0.750	**37.9**	**1240**
BERM 16-1	04/20/11	< 0.750	**5.36**	**124**	**0.438**	< 0.500	**20.1**	**10.8**	**22.3**	**3.79**	**0.118**	< 0.250	**15.5**	< 0.750	< 0.250	< 0.750	**37.1**	**48.3**
BERM 18-3	04/20/11	< 0.750	**5.53**	**120**	**0.426**	< 0.500	**20.8**	**10.5**	**21.5**	**5.21**	< 0.0835	**0.398**	**14.8**	< 0.750	< 0.250	< 0.750	**35.6**	**50.6**
BERM 19-1	04/20/11	< 0.750	**7.58**	**148**	**0.513**	< 0.500	**22.5**	**12.4**	**28.3**	**6.98**	< 0.0835	< 0.250	**17.8**	< 0.750	< 0.250	< 0.750	**41.5**	**55**
BERM 20-1	04/21/11	< 0.750	**3.58**	**107**	**0.351**	< 0.500	**16.3**	**9.19**	**16.6**	**2.71**	< 0.0835	< 0.250	**12.1**	< 0.750	< 0.250	< 0.750	**30.7**	**42**
BERM 21-1	04/21/11	< 0.750	**5.21**	**115**	**0.404**	< 0.500	**19.2**	**9.95**	**19.1**	**2.92**	< 0.0835	< 0.250	**13.5**	< 0.750	< 0.250	< 0.750	**34.3**	**46.2**
BERM 22-1	04/21/11	< 0.750	**8.81**	**194**	**0.617**	< 0.500	**28.2**	**14**	**33.7**	**6.52**	< 0.0835	< 0.250	**20.7**	< 0.750	< 0.250	< 0.750	**48.7**	**65.2**
BERM 24-3	04/21/11	< 0.750	**4.5**	**119**	**0.446**	< 0.500	**20.7**	**10.8**	**21.4**	**3.29**	< 0.0835	< 0.250	**14.8**	< 0.750	< 0.250	< 0.750	**37.1**	**49.7**
BERM 25-1	04/21/11	< 0.750	**3.79**	**102**	**0.378**	< 0.500	**17.7**	**9.68**	**17.1**	**2.56**	< 0.0835	< 0.250	**12.7**	< 0.750	< 0.250	< 0.750	**32.9**	**43.9**
BERM 26-1	04/25/11	< 0.750	**2.75**	**94**	**0.34**	< 0.500	**15**	**8.89**	**14.9**	**4.58**	< 0.0835	< 0.250	**11.8**	< 0.750	< 0.250	< 0.750	**28.1**	**50.5**
BERM 28-3	04/22/11	< 0.750	**2.31**	**78.9**	**0.275**	< 0.500	**12.1**	**7.14**	**11.9**	**2.53**	< 0.0835	< 0.250	**9.12**	< 0.750	< 0.250	< 0.750	**23**	**34.9**
BERM 29-3	04/20/11	< 0.750	**4.2**	**101**	**0.356**	< 0.500	**15.8**	**9.52**	**17.8**	**2.53**	< 0.0835	< 0.250	**12.7**	< 0.750	< 0.250	< 0.750	**30.9**	**44.7**
BERM 30-3	04/20/11	< 0.750	**2**	**63.8**	< 0.250	< 0.500	**11.6**	**6.81**	**11**	**3.27**	< 0.0835	< 0.250	**8.99**	< 0.750	< 0.250	< 0.750	**21.1**	**39.8**
BERM 32-3	04/25/11	< 0.750	**2.97**	**86.2**	**0.317**	< 0.500	**13.6**	**8.65**	**14.2**	**2.44**	< 0.0835	< 0.250	**11**	< 0.750	< 0.250	< 0.750	**25.8**	**41.2**
BERM 33-3	04/25/11	< 0.750	**3.5**	**104**	**0.363**	< 0.500	**16.7**	**9.19**	**17.1**	**3.4**	< 0.0835	**0.382**	**12.4**	< 0.750	< 0.250	< 0.750	**29.3**	**47.1**
BERM 35-3	04/22/11	< 0.750	**3.67**	**81.2**	**0.338**	< 0.500	**14.3**	**8.61**	**15.4**	**2.68**	< 0.0835	**0.409**	**11.2**	< 0.750	< 0.250	< 0.750	**26.8**	**39.1**
BERM 36-3	04/22/11	< 0.750	**2.3**	**73.1**	**0.298**	< 0.500	**13.4**	**8.02**	**14.3**	**28.1**	< 0.0835	< 0.250	**11.1**	< 0.750	< 0.250	< 0.750	**24.5**	**59.7**
BERM 37-1	04/22/11	< 0.750 J	**2.34**	**70.4**	**0.285**	< 0.500	**11.4**	**7.61**	**12.8**	**2.78**	< 0.0835	< 0.250	**9.49**	< 0.750	< 0.250	< 0.750	**22.3**	**38.3**
BERM 38-1	04/25/11	< 0.750	**2.12**	**65.1**	< 0.250	< 0.500	**10.4**	**6.82**	**10.2**	**4.32**	< 0.0835	< 0.250	**9.38**	< 0.750	< 0.250	< 0.750	**20.1**	**38.5**
BERM 39-1	04/20/11	< 0.750	**2.11**	**64.6**	< 0.250	< 0.500	**9.69**	**6.11**	**9.76**	**3.64**	< 0.0835	< 0.250	**8.01**	< 0.750	< 0.250	< 0.750	**19**	**33.1**
BERM 40-1	04/22/11	< 0.750	**3.38**	**70.1**	**0.277**	< 0.500	**11.3**	**7.55**	**12.5**	**6.1**	< 0.0835	< 0.250	**10.5**	< 0.750	< 0.250	< 0.750	**23**	**40.2**
BERM 41-1	04/20/11	< 0.750	**3.14**	**74.4**	**0.272**	< 0.500	**11.9**	**7.38**	**13.3**	**8.84**	< 0.0835	< 0.250	**9.97**	< 0.750	< 0.250	< 0.750	**23.2**	**39**
BERM 42-1	04/21/11	< 0.750 J	**2.29**	**68.4**	**0.263**	< 0.500	**11.5**	**7.07**	**12.8**	**6.69**	< 0.0835	< 0.250	**9.11**	< 0.750	< 0.250	< 0.750	**22**	**35 J**
BERM 43-1	04/22/11	< 0.750	**2.96**	**86.8**	**0.307**	< 0.500	**12.8**	**8.31**	**13.7**	**3.02**	< 0.0835	< 0.250	**10.6**	< 0.750	< 0.250	< 0.750	**24.6**	**40**
BERM 45-3	04/22/11	< 0.750	**1.93**	**80**	**0.328**	< 0.500	**13.3**	**8.57**	**14.6**	**2.38**	< 0.0835	< 0.250	**10.9**	< 0.750	< 0.250	< 0.750	**25.7**	**38.6**
BERM 46-3	04/22/11	< 0.750	**3.38**	**80.9**	**0.33**	< 0.500	**14.1**	**8.47**	**15**	**2.44**	< 0.0835	< 0.250	**10.9**	< 0.750	< 0.250	< 0.750	**25.9**	**37.9**
BERM 47-1	04/22/11	< 0.750	**2.88**	**86.1**	**0.309**	< 0.500	**13.2**	**8.41**	**14.7**	**2.84**	< 0.0835	< 0.250	**11.5**	< 0.750	< 0.250	< 0.750	**25**	**38.8**
BERM 48-1	04/22/11	< 0.750	**3.53**	**92.1**	**0.351**	< 0.500	**14.6**	**9.21**	**16.4**	**2.41**	**2.55**	< 0.250	**12**	< 0.750	< 0.250	< 0.750	**27.9**	**42.2**
BERM 49-3	04/22/11	< 0.750	**3.48**	**90.4**	**0.337**	< 0.500	**14.1**	**8.97**	**15.8**	**2.32**	< 0.0835	< 0.250	**11.7**	< 0.750	< 0.250	< 0.750	**27**	**41.4**
BERM 50-1	04/22/11	< 0.750	**4.08**	**101**	**0.368**	< 0.500	**14.8**	**9.23**	**17.4**	**2.92**	< 0.0835	< 0.250	**12.2**	< 0.750	< 0.250	< 0.750	**28.1**	**42.3**
BERM 54-1	04/22/11	< 0.750	**3.79**	**99.3**	**0.389**	< 0.500	**15.8**	**9.83**	**18.1**	**2.57**	< 0.0835	< 0.250	**12.8**	< 0.750	< 0.250	< 0.750	**30.1**	**42.9**
BERM 56-3	04/22/11	< 0.750	**3.81**	**98.6**	**0.382**	< 0.500	**15.7**	**9.52**	**18.2**	**5.87**	< 0.0835	< 0.250	**12.9**	< 0.750	< 0.250	< 0.750	**29.3**	**58**
BERM 58-1	04/22/11	< 0.750	**3.99**	**101**	**0.382**	< 0.500	**15.9**	**9.73**	**18.7**	**5.71**	< 0.0835	< 0.250	**12.9**	< 0.750	< 0.250	< 0.750	**29.8**	**54.5**
BERM 63-3	04/22/11	< 0.750	**3.51**	**78.2**	**0.318**	< 0.500	**13.4**	**7.98**	**14.5**	**9.1**	< 0.0835	< 0.250	**10.7**	< 0.750	< 0.250	< 0.750	**25.1**	**41.6**

Notes:
mg/kg = milligrams per
RSLs = Regional Screen
CHHSLs = California Human Health Screaning Levels

TABLE 7
GROUNDWATER HYDROPUNCH INVESTIGATION RESULTS - TOTAL PETROLEUM HYDROCARBONS
DFSP Norwalk Facility, Norwalk California

Sample Location (Sample Depth)	Units	Date	TPH as Gasoline	TPH as JP-5	TPH as Diesel
DPT42-HP (24-28)	µg/L	11/16/11	**210**	**450**	**710**
DPT49-HP (32-36)	µg/L	11/16/11	**200**	**580**	**640**
DPT72-HP (28-32)	µg/L	11/16/11	< 100	**370**	**480**
DPT72-HP (28-32)D	µg/L	11/16/11	< 100	**280**	**380**
DPT82-HP (28-32)	µg/L	11/16/11	**1100**	**3400**	**4100**
DPT84-HP (28-32)	µg/L	11/16/11	**2100**	**83000**	**87000**
HP-103 (28)	µg/L	10/08/12	< 100	**300**	**690**

TABLE 8

GROUNDWATER HYDROPUNCH INVESTIGATION RESULTS - VOLATILE ORGANIC COMPOUNDS

DFSP Norwalk Facility, Norwalk California

Sample Location (Sample Depth)	Units	Date	Benzene	Toluene	Ethylbenzene	o-Xylene	p/m-Xylene	Tert-Butyl Alcohol (TBA)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Acetone	Carbon Disulfide	Isopropylbenzene	Methyl-t-Butyl Ether (MTBE)	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Trichloroethene
DPT42-HP (24-28)	ug/L	11/16/11	**5.6**	**23**	**6.9**	**11**	**30**	< 10	**5.3**	**2.7**	< 20	< 10	**1.1**	< 0.50	< 10	**0.24 J**	**1.1**	**0.23 J**	< 1.0	< 1.0
DPT49-HP (32-36)	ug/L	11/16/11	**0.66**	**7.1**	**0.44 J**	**0.3 J**	**1.4**	**8.4 J**	< 1.0	< 1.0	**10 J**	< 10	**1.8**	< 0.50	< 10	< 1.0	< 1.0	**0.16 J**	< 1.0	< 1.0
DPT72-HP (28-32)	ug/L	11/16/11	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10	< 1.0	< 1.0	< 20	< 10	< 1.0	< 0.50	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.44 J**
DPT72-HP (28-32)D	ug/L	11/16/11	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10	< 1.0	< 1.0	< 20	< 10	< 1.0	< 0.50	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.54 J**
DPT82-HP (28-32)	ug/L	11/16/11	**0.64**	**1.7**	**3.1**	**1.9**	**1.4**	**24**	**3.2**	**1.1**	**10 J**	< 10	**3.9**	**0.49 J**	**10**	**1.8**	**2.7**	**0.77 J**	**2.7**	< 1.0
DPT84-HP (28-32)	ug/L	11/16/11	**56**	**8.3**	**670**	**530**	**140**	< 50	**610**	**140**	< 100	< 50	**140**	< 2.5	**410**	**88**	**180**	**44**	**62**	< 5.0
HP-103 (28)	ug/L	10/08/12	**0.28 J**	**0.24 J**	< 0.50	< 0.50	< 0.50	< 10	< 1.0	< 1.0	**13 J**	**0.53 J**	< 1.0	< 0.50	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

FIGURES

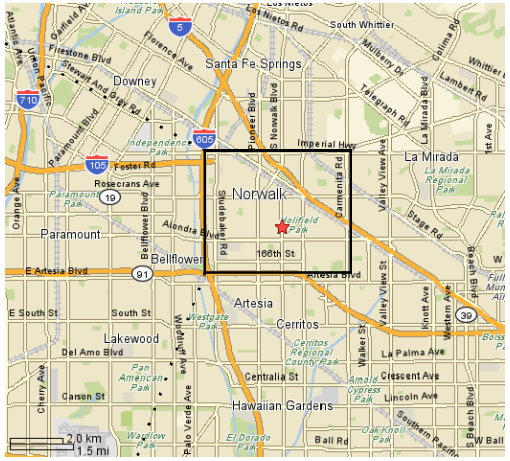

Figure 1

Site Location Map

DFSP NORWALK
15306 Norwalk Blvd.
Norwalk, California

PARSONS

Pasadena, California

k:\depts\dept48\desc 07-2008 Contract\norwalk\ACO-0010\final figures\Figure 1 Site Location Map.cdr

PARSONS

Figure 2

Aerial Photograph of Site

DEFENSE FUEL SUPPORT POINT

NORWALK, CALIFORNIA

K:\Depts\Dept48\DESC 07-2008 Contract\Norwalk\ACO-0010\final figures\Figure 2 Aerial Photograph of Site.dwg

Residential

Excelsior Drive

Residential

Norwalk Boulevard

Residential

Powerine Basin

(Air Force)

GWTS

80001

80002

80004

Perimeter Drive

Holding or Settling Pond

Holifield Park

John Dolland School

Chain Link Fence

80005

80006

80007

80008

80009

80013

55003

55004

80017

Slop Tank

2501

20001

Fire Water Pump

Water Tank

Lift Station #2

Guard Shack

Main Gate

Administration Building

Laboratory

Oil-Water Separator

Septic Tank

Leaching Well

New Slop Pump

Vehicle Maintenance Pit

Fire Supply Shed

Latrine and Storage

Oxidizer

500-Gallon UST

Truck Loading Racks

Septic Tank

Sample Shed

Open Sump

(KMEP)

Leaching Well

KMEP Shed

GWTS

Water Tanks

Slop Pump

Sample Shed

Holifield Park

500-Gallon UST

Former DESC Pipeline From San Pedro

Open Sump

T

Lift Station #1

Approximate Location of 24" SFPP Pipeline

Vehicle Gate

Batch Cut Building

KMEP Lease Area

Septic Tank

Manifold Pit

Main (Air Force) Pumphouse

Septic Tank

El Toro (Navy) Pumphouse

400-Gallon UST

Masonary Boundary Wall

East Thorn Lake

Single Family Residential

Single Family Residential

Apartments

Single Family Residential

Cheshire Street

Cheshire Street

Legend

- 80001 — Storage Tank
- Cinderblock Wall (Southern Boundary)
- Former DESC 10" Underground Multiproduct Line
- T — Transformers
- Approximate location of 24" block valve on SFPP pipeline
- GWTS — Groundwater Treatment System
- KMEP — Kinder Morgan Energy Partners, Inc.

N

Not To Scale

Note: Figure obtained from Environmental Baseline Survey Report prepared by IT group (October2001)

PARSONS

Figure 3

Historical Site Facilities

DEFENSE FUEL SUPPORT POINT

NORWALK, CALIFORNIA

K:\Depts\Dept48\DESC 07-2008 Contract\Norwalk\ACO-0010\final figures\Figure 3 Historical Site Facilities.dwg

NOTES:
1. Seven (7) 120-ft diameter fuel AST pads
2. Secondary concrete containment
3. 60-ft diameter water tank
4. 35-ft. diameter slop tank
5. Main & El Toro pumphouses, manifold pit & lift station
6. Truck fill stations and driveway
7. Maintenance building foundations
8. Concrete foundation of sample shed
9. Interior berms concrete cap
10. Fuel/water separator
11. Storage Building

FIGURE 4

CONCRETE DEMOLITION AREAS

DFSP
Norwalk, California

PARSONS

Pasadena, California

K:\Depts\Dept48\DESC 07-2008 Contract\Norwalk\Concrete Demo\Workplan\Figures\Figure 4 - Concrete Demolition Areas.dwg

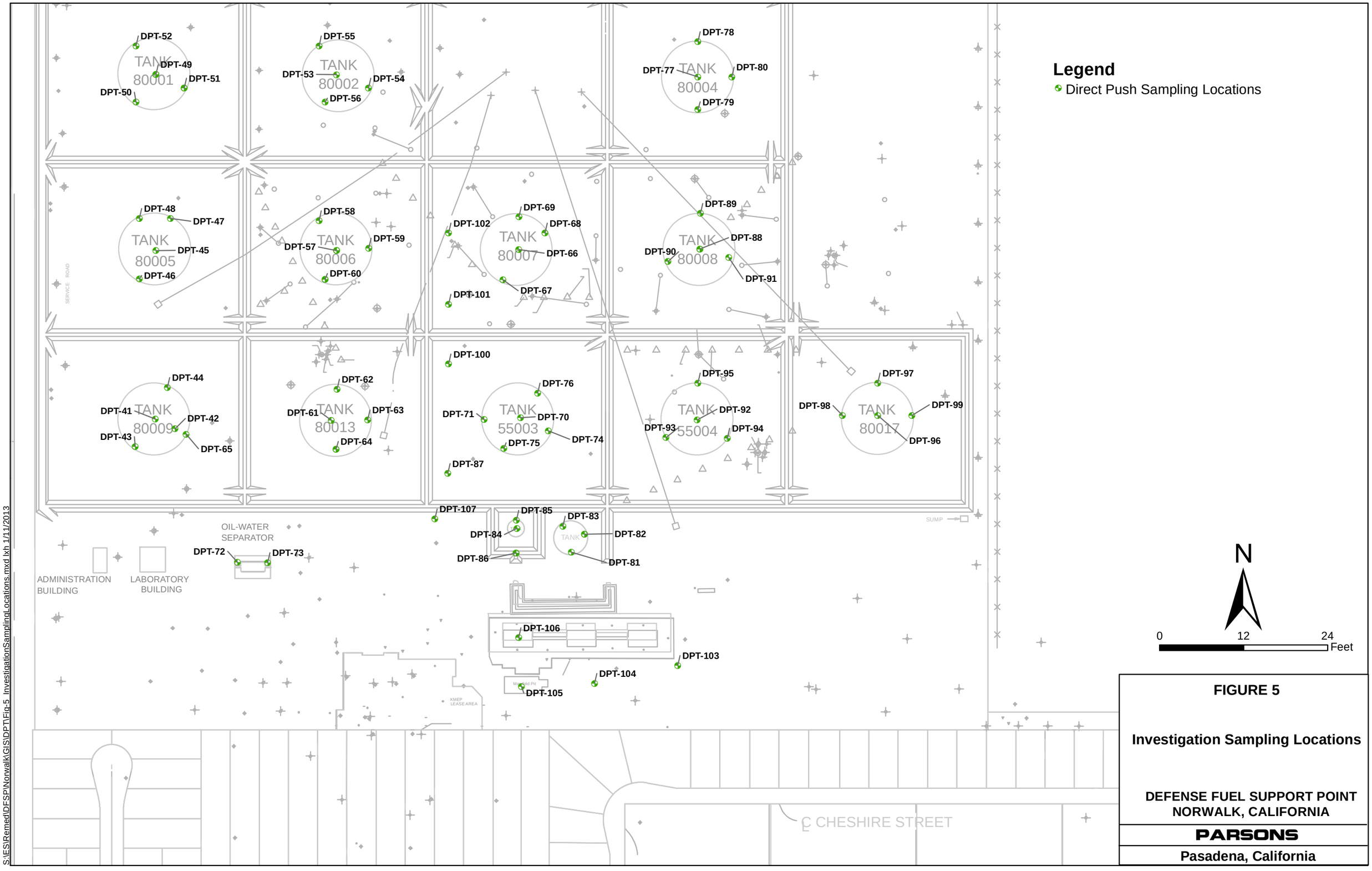

FIGURE 5

Investigation Sampling Locations

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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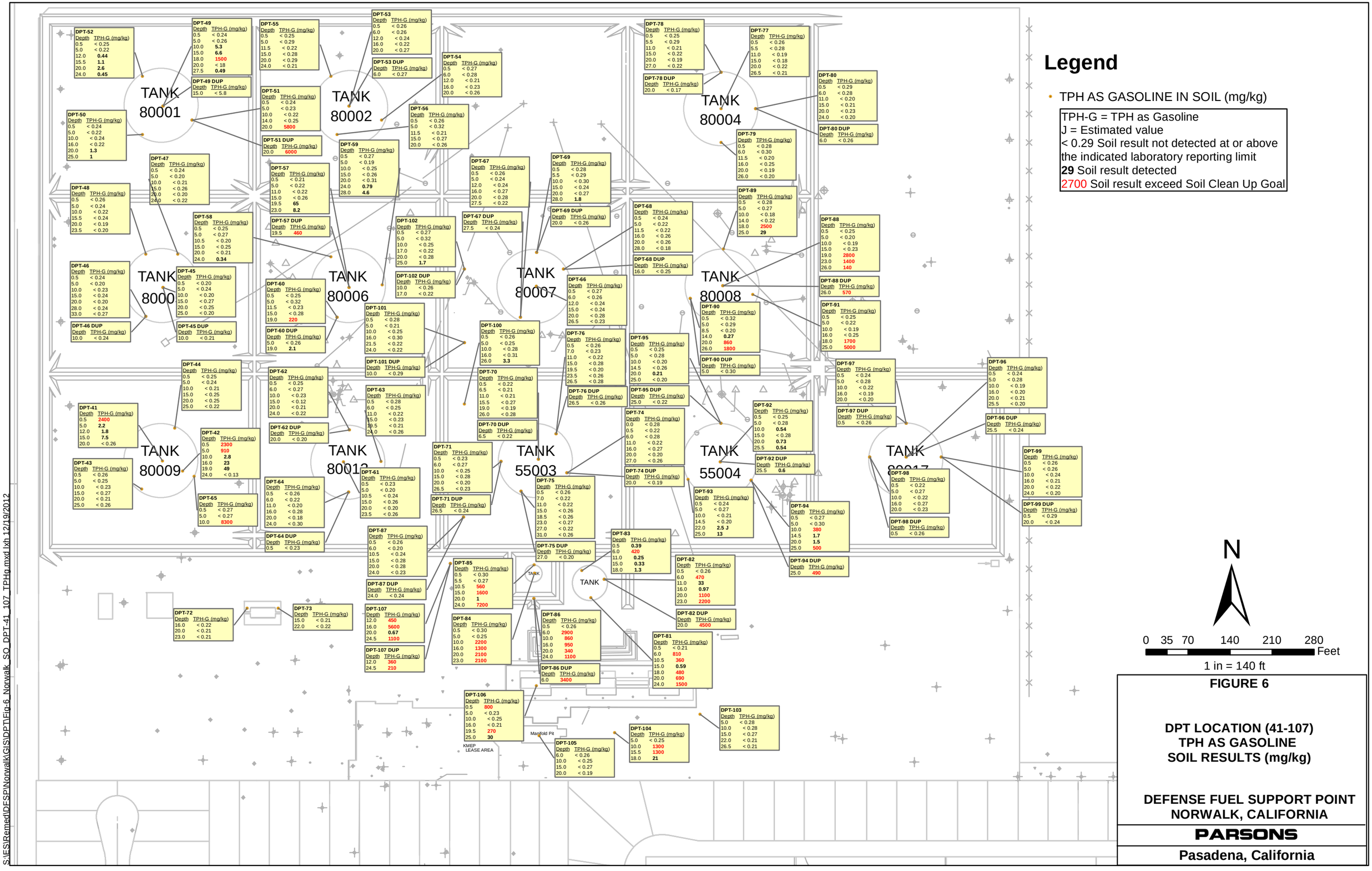

Legend

- TPH AS GASOLINE IN SOIL (mg/kg)

TPH-G = TPH as Gasoline
J = Estimated value
< 0.29 Soil result not detected at or above the indicated laboratory reporting limit
29 Soil result detected
2700 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 6

DPT LOCATION (41-107)
TPH AS GASOLINE
SOIL RESULTS (mg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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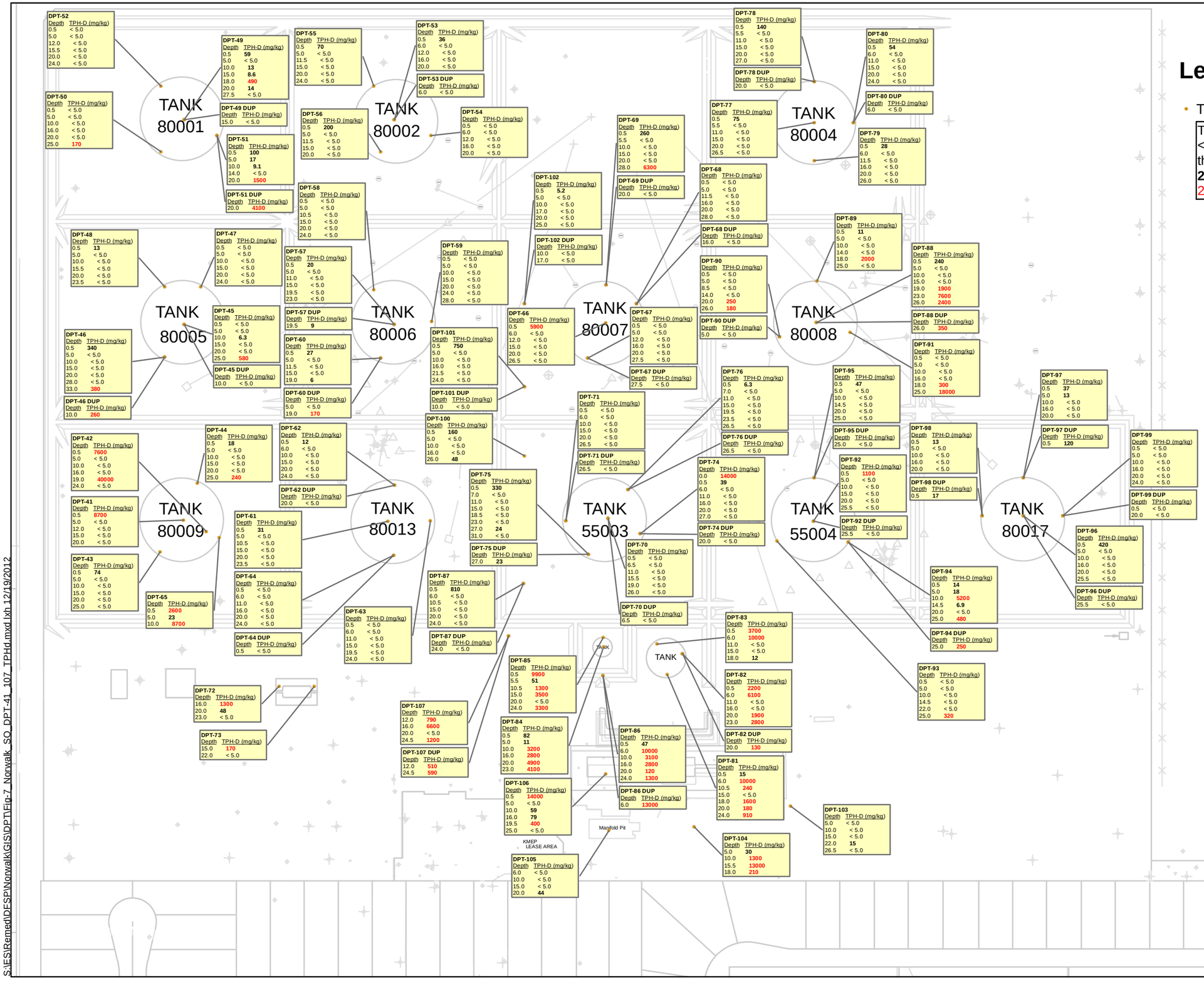

Legend

- TPH AS DIESEL IN SOIL (mg/kg)

TPH-D = TPH as Diesel
< 5.0 Soil result not detected at or above the indicated laboratory reporting limit
28 Soil result detected
2000 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 7

DPT LOCATION (41-107)
TPH AS DIESEL SOIL RESULTS (mg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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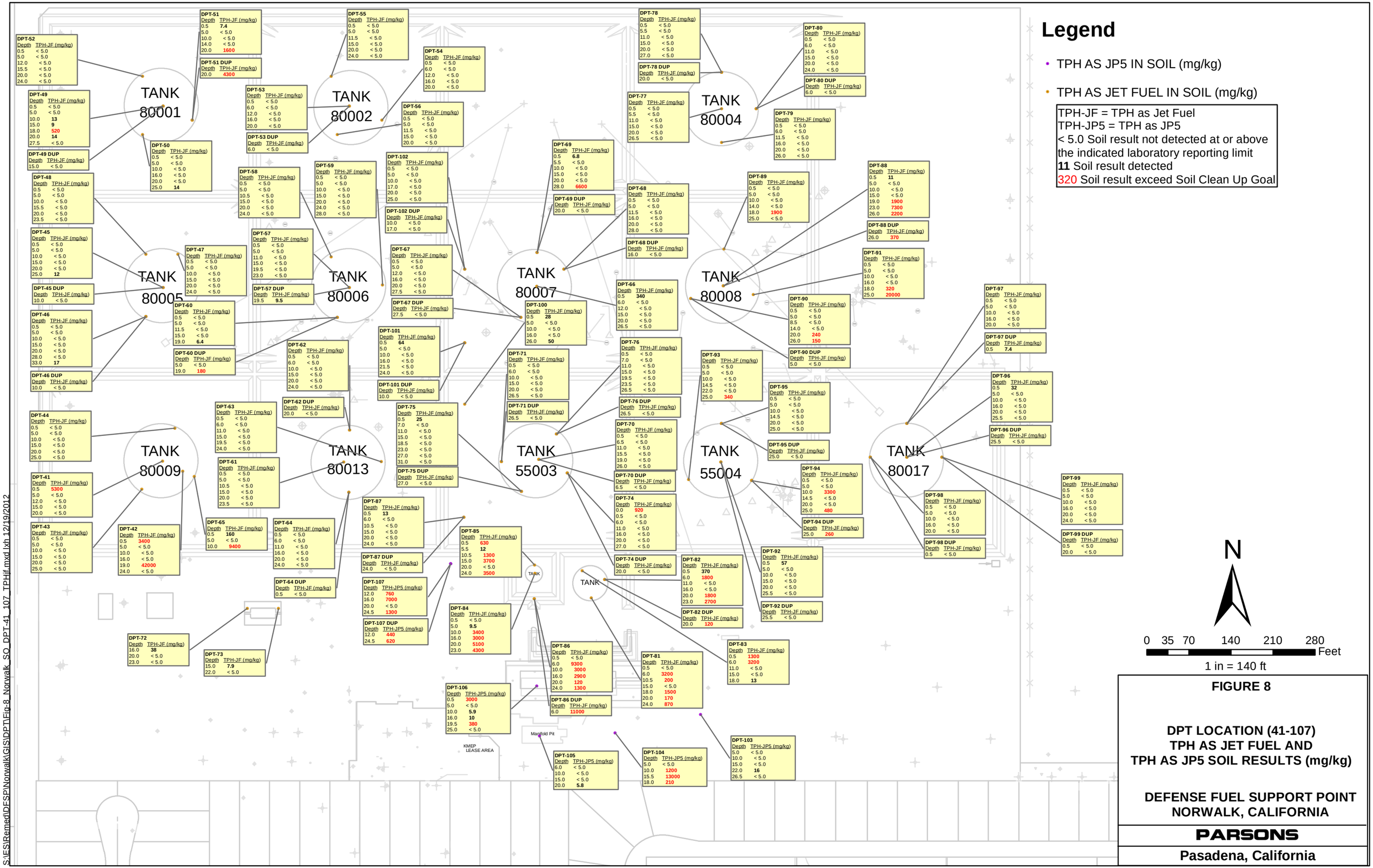


Legend

- TPH AS JP5 IN SOIL (mg/kg)
- TPH AS JET FUEL IN SOIL (mg/kg)

TPH-JF = TPH as Jet Fuel
TPH-JP5 = TPH as JP5
< 5.0 Soil result not detected at or above the indicated laboratory reporting limit
11 Soil result detected
320 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 8

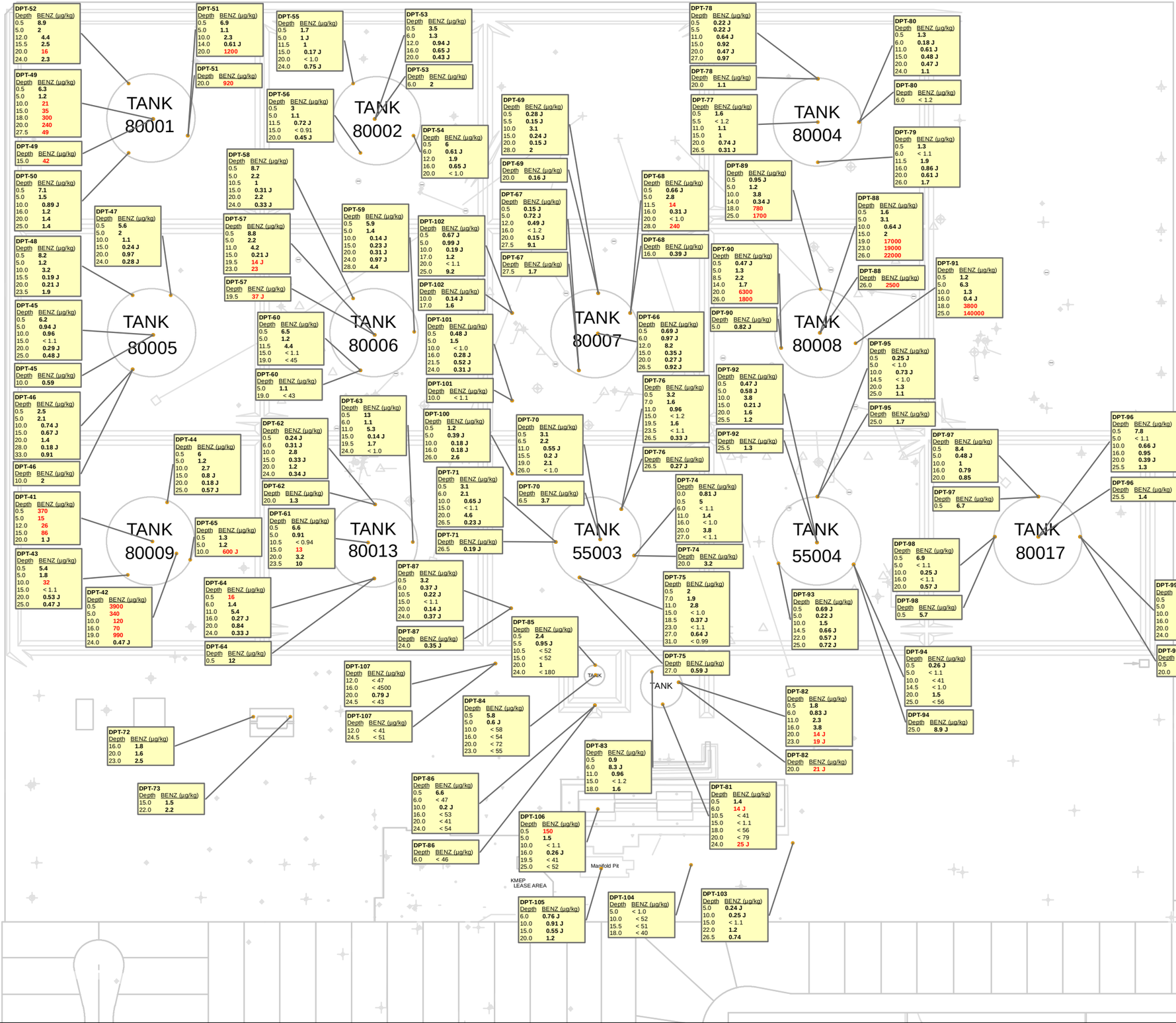
DPT LOCATION (41-107)
TPH AS JET FUEL AND
TPH AS JP5 SOIL RESULTS (mg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Reneé\DFSP\Norwalk\GIS\DPT\Fig-8_Norwalk_SO_DPT-41_107_TPHjf.mxd lxh 12/19/2012



Legend

- BENZENE IN SOIL (µg/kg)

BENZ = Benzene
J = Estimated value
< 1.2 Soil result not detected at or above the indicated laboratory reporting limit
1.6 Soil result detected
17000 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 9

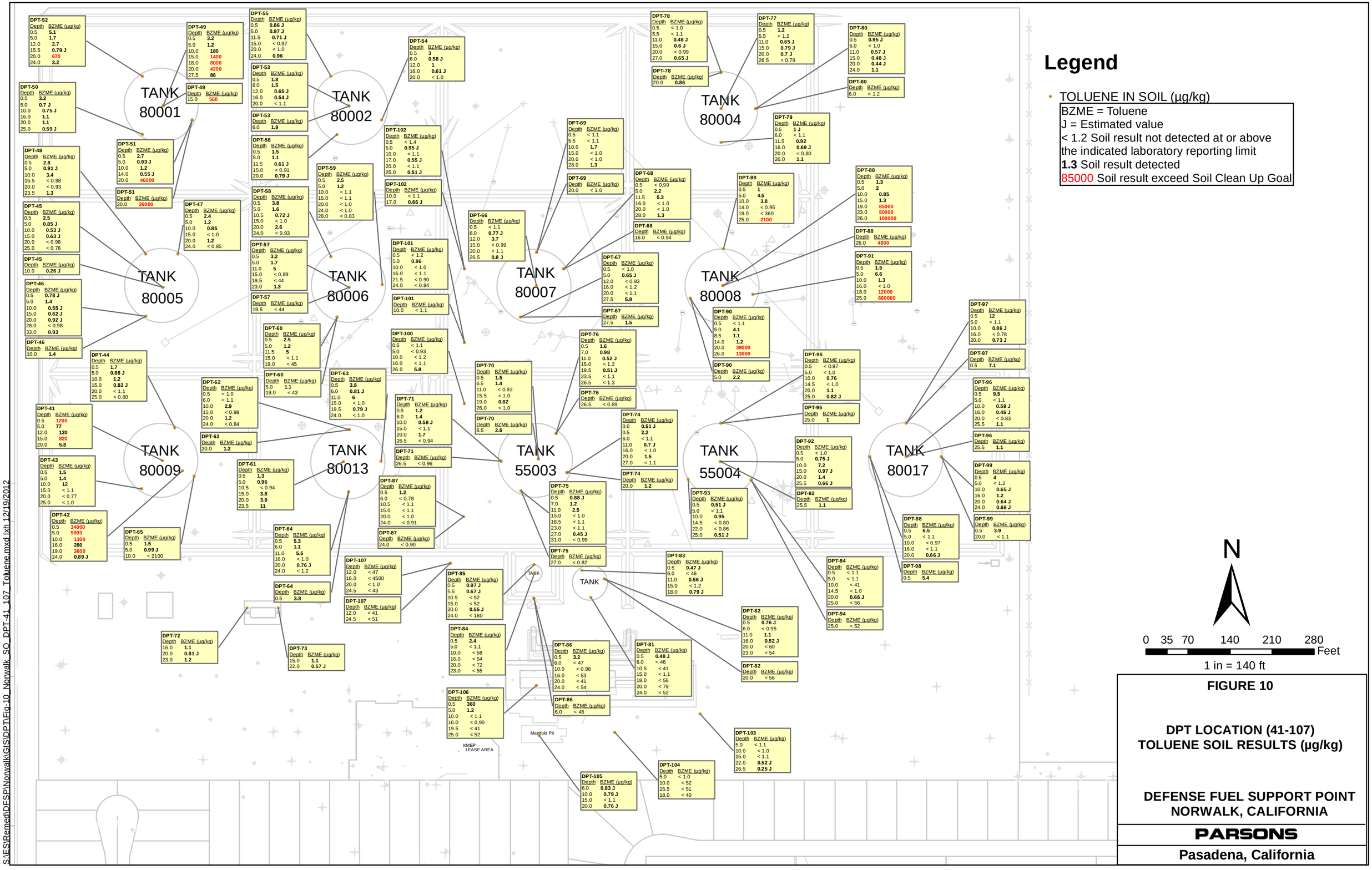
DPT LOCATION (41-107)
BENZENE SOIL RESULTS (µg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-9_Norwalk_SO_DPT-41_107_BZ.mxd lxh 12/19/2012



Legend

- TOLUENE IN SOIL (µg/kg)

BZME = Toluene
J = Estimated value
< 1.2 Soil result not detected at or above the indicated laboratory reporting limit
1.3 Soil result detected
85000 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 10

DPT LOCATION (41-107)
TOLUENE SOIL RESULTS (µg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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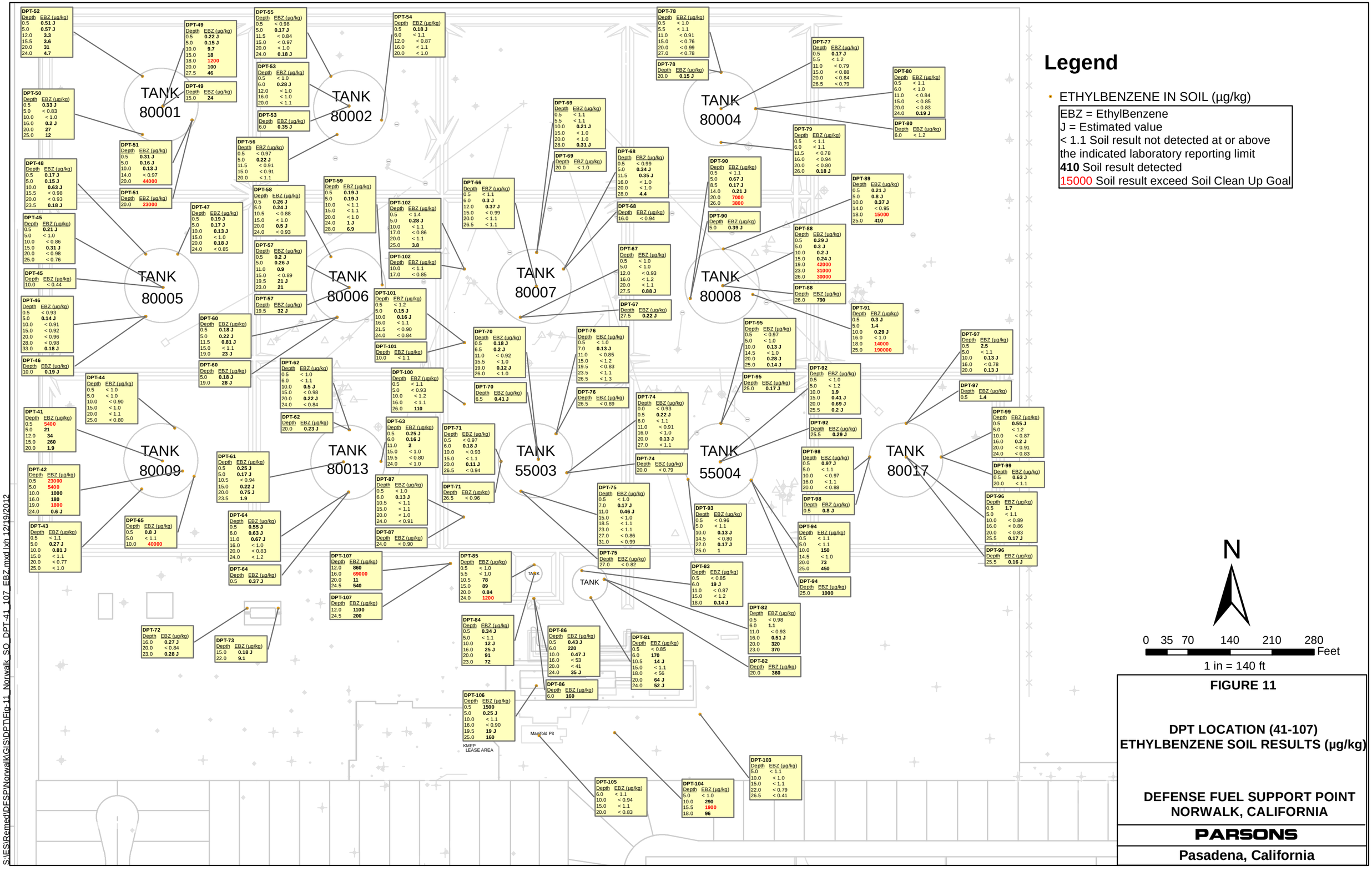


Legend

- ETHYLBENZENE IN SOIL (µg/kg)

EBZ = EthylBenzene
J = Estimated value
< 1.1 Soil result not detected at or above the indicated laboratory reporting limit
410 Soil result detected
15000 Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 11

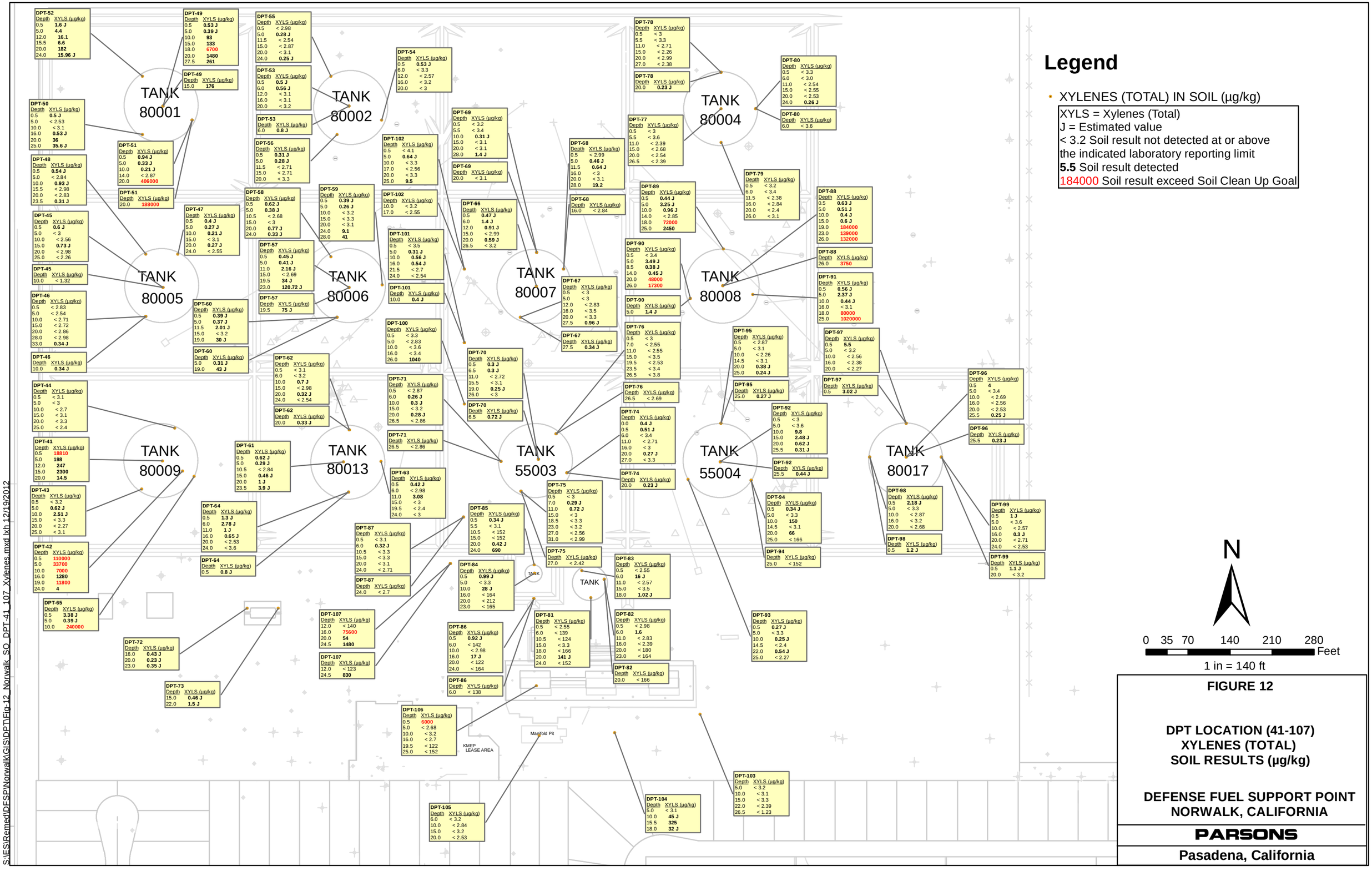
DPT LOCATION (41-107)
ETHYLBENZENE SOIL RESULTS (µg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-11_Norwalk_SO_DPT-41_107_EBZ.mxd lkh 12/19/2012



Legend

- XYLENES (TOTAL) IN SOIL (µg/kg)

XYLS = Xylenes (Total)
J = Estimated value
< 3.2 Soil result not detected at or above the indicated laboratory reporting limit
5.5 Soil result detected
184000 Soil result exceed Soil Clean Up Goal

FIGURE 12

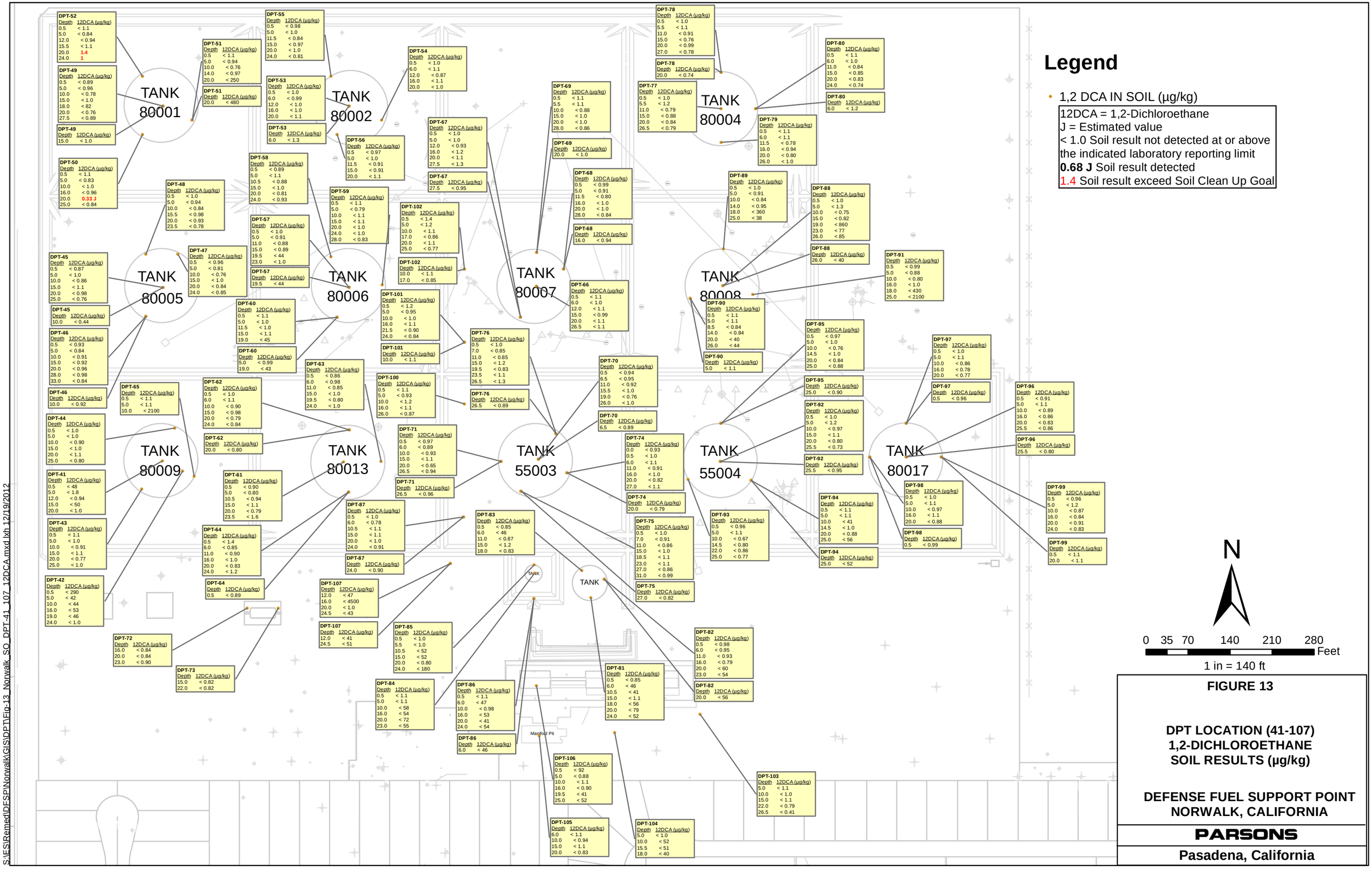
DPT LOCATION (41-107)
XYLENES (TOTAL)
SOIL RESULTS (µg/kg)

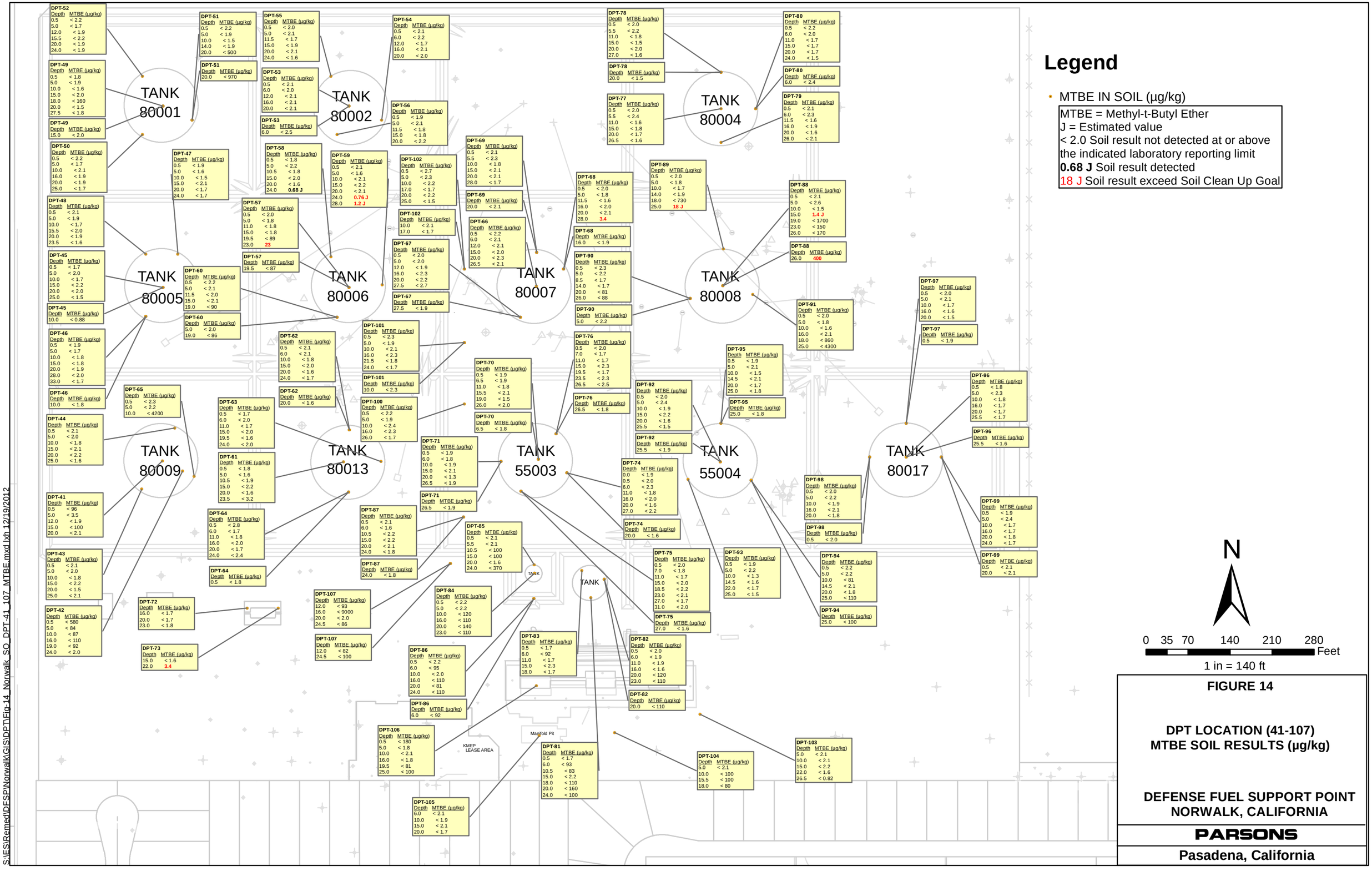
DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-12_Norwalk_SO_DPT-41_107_Xylenes.mxd lxh 12/19/2012


DPT-52
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 0.84
12.0 < 0.94
15.5 < 1.1
20.0 1.4
24.0 1
DPT-49
Depth 12DCA (µg/kg)
0.5 < 0.89
5.0 < 0.96
10.0 < 0.78
15.0 < 1.0
18.0 < 82
20.0 < 0.76
27.5 < 0.89
DPT-49
Depth 12DCA (µg/kg)
15.0 < 1.0
DPT-50
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 0.83
10.0 < 1.0
16.0 < 0.96
20.0 0.33 J
25.0 < 0.84
TANK 80001
DPT-51
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 0.94
10.0 < 0.76
14.0 < 0.97
20.0 < 250
DPT-51
Depth 12DCA (µg/kg)
20.0 < 480
DPT-55
Depth 12DCA (µg/kg)
0.5 < 0.98
5.0 < 1.0
11.5 < 0.84
15.0 < 0.97
20.0 < 1.0
24.0 < 0.81
DPT-53
Depth 12DCA (µg/kg)
0.5 < 1.0
6.0 < 0.99
12.0 < 1.0
16.0 < 1.0
20.0 < 1.1
DPT-53
Depth 12DCA (µg/kg)
6.0 < 1.3
TANK 80002
DPT-54
Depth 12DCA (µg/kg)
0.5 < 1.0
6.0 < 1.1
12.0 < 0.87
16.0 < 1.1
20.0 < 1.0
DPT-56
Depth 12DCA (µg/kg)
0.5 < 0.97
5.0 < 1.0
11.5 < 0.91
15.0 < 0.91
20.0 < 1.1
DPT-67
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.0
12.0 < 0.93
16.0 < 1.2
20.0 < 1.1
27.5 < 1.3
DPT-67
Depth 12DCA (µg/kg)
27.5 < 0.95
DPT-58
Depth 12DCA (µg/kg)
0.5 < 0.89
5.0 < 1.1
10.5 < 0.88
15.0 < 1.0
20.0 < 0.81
24.0 < 0.93
DPT-59
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 0.79
10.0 < 1.1
15.0 < 1.1
20.0 < 1.0
24.0 < 1.0
28.0 < 0.83
DPT-102
Depth 12DCA (µg/kg)
0.5 < 1.4
5.0 < 1.2
10.0 < 1.1
17.0 < 0.86
20.0 < 1.1
25.0 < 0.77
DPT-102
Depth 12DCA (µg/kg)
10.0 < 1.1
17.0 < 0.85
DPT-48
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 0.94
10.0 < 0.84
15.5 < 0.98
20.0 < 0.93
23.5 < 0.78
DPT-57
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 0.91
11.0 < 0.88
15.0 < 0.89
19.5 < 44
23.0 < 1.0
DPT-57
Depth 12DCA (µg/kg)
19.5 < 44
DPT-47
Depth 12DCA (µg/kg)
0.5 < 0.96
5.0 < 0.81
10.0 < 0.76
15.0 < 1.0
20.0 < 0.84
24.0 < 0.85
TANK 80005
TANK 80006
DPT-45
Depth 12DCA (µg/kg)
0.5 < 0.87
5.0 < 1.0
10.0 < 0.86
15.0 < 1.1
20.0 < 0.98
25.0 < 0.76
DPT-45
Depth 12DCA (µg/kg)
10.0 < 0.44
DPT-46
Depth 12DCA (µg/kg)
0.5 < 0.93
5.0 < 0.84
10.0 < 0.91
15.0 < 0.92
20.0 < 0.96
28.0 < 0.98
33.0 < 0.84
DPT-46
Depth 12DCA (µg/kg)
10.0 < 0.92
DPT-60
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.0
11.5 < 1.0
15.0 < 1.1
19.0 < 45
DPT-60
Depth 12DCA (µg/kg)
5.0 < 0.99
19.0 < 43
DPT-63
Depth 12DCA (µg/kg)
0.5 < 0.86
6.0 < 0.98
11.0 < 0.85
15.0 < 1.0
19.5 < 0.80
24.0 < 1.0
DPT-101
Depth 12DCA (µg/kg)
0.5 < 1.2
5.0 < 0.95
10.0 < 1.0
16.0 < 1.1
21.5 < 0.90
24.0 < 0.84
DPT-101
Depth 12DCA (µg/kg)
10.0 < 1.1
DPT-100
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 0.93
10.0 < 1.2
16.0 < 1.1
26.0 < 0.87
DPT-76
Depth 12DCA (µg/kg)
0.5 < 1.0
7.0 < 0.85
11.0 < 0.85
15.0 < 1.2
19.5 < 0.83
23.5 < 1.1
26.5 < 1.3
DPT-76
Depth 12DCA (µg/kg)
26.5 < 0.89
DPT-65
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.1
10.0 < 2100
DPT-62
Depth 12DCA (µg/kg)
0.5 < 1.0
6.0 < 1.1
10.0 < 0.90
15.0 < 0.98
20.0 < 0.79
24.0 < 0.84
DPT-62
Depth 12DCA (µg/kg)
20.0 < 0.80
DPT-44
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.0
10.0 < 0.90
15.0 < 1.0
20.0 < 1.1
25.0 < 0.80
DPT-41
Depth 12DCA (µg/kg)
0.5 < 1.8
5.0 < 1.8
12.0 < 0.94
15.0 < 50
20.0 < 1.0
DPT-43
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.0
10.0 < 0.91
15.0 < 1.1
20.0 < 0.77
25.0 < 1.0
DPT-42
Depth 12DCA (µg/kg)
0.5 < 290
5.0 < 42
10.0 < 44
16.0 < 53
19.0 < 46
24.0 < 1.0
TANK 80009
TANK 80013
DPT-61
Depth 12DCA (µg/kg)
0.5 < 0.90
5.0 < 0.80
10.5 < 0.94
15.0 < 1.1
20.0 < 0.79
23.5 < 1.6
DPT-87
Depth 12DCA (µg/kg)
0.5 < 1.0
6.0 < 0.78
10.5 < 1.1
15.0 < 1.1
20.0 < 1.0
24.0 < 0.91
DPT-87
Depth 12DCA (µg/kg)
24.0 < 0.90
DPT-64
Depth 12DCA (µg/kg)
0.5 < 1.4
6.0 < 0.85
11.0 < 0.90
16.0 < 1.0
20.0 < 0.83
24.0 < 1.2
DPT-64
Depth 12DCA (µg/kg)
0.5 < 0.89
DPT-107
Depth 12DCA (µg/kg)
12.0 < 47
16.0 < 4500
20.0 < 1.0
24.5 < 43
DPT-107
Depth 12DCA (µg/kg)
12.0 < 41
24.5 < 51
DPT-72
Depth 12DCA (µg/kg)
16.0 < 0.84
20.0 < 0.84
23.0 < 0.90
DPT-73
Depth 12DCA (µg/kg)
15.0 < 0.82
22.0 < 0.82
DPT-71
Depth 12DCA (µg/kg)
0.5 < 0.97
6.0 < 0.89
10.0 < 0.93
15.0 < 1.1
20.0 < 0.65
26.5 < 0.94
DPT-71
Depth 12DCA (µg/kg)
26.5 < 0.96
DPT-83
Depth 12DCA (µg/kg)
0.5 < 0.85
6.0 < 46
11.0 < 0.87
15.0 < 1.2
18.0 < 0.83
DPT-85
Depth 12DCA (µg/kg)
0.5 < 1.0
5.5 < 1.0
10.5 < 52
15.0 < 52
20.0 < 0.80
24.0 < 180
DPT-84
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.1
10.0 < 58
16.0 < 54
20.0 < 72
23.0 < 55
DPT-86
Depth 12DCA (µg/kg)
0.5 < 1.1
6.0 < 47
10.0 < 0.98
16.0 < 53
20.0 < 41
24.0 < 54
DPT-86
Depth 12DCA (µg/kg)
6.0 < 46
TANK 55003
TANK
TANK
Manifold Pit
DPT-69
Depth 12DCA (µg/kg)
0.5 < 1.1
5.5 < 1.1
10.0 < 0.88
15.0 < 1.0
20.0 < 1.0
28.0 < 0.86
DPT-69
Depth 12DCA (µg/kg)
20.0 < 1.0
DPT-68
Depth 12DCA (µg/kg)
0.5 < 0.99
5.0 < 0.91
11.5 < 0.80
16.0 < 1.0
20.0 < 1.0
28.0 < 0.84
DPT-68
Depth 12DCA (µg/kg)
16.0 < 0.94
DPT-66
Depth 12DCA (µg/kg)
0.5 < 1.1
6.0 < 1.0
12.0 < 1.1
15.0 < 0.99
20.0 < 1.1
26.5 < 1.1
DPT-70
Depth 12DCA (µg/kg)
0.5 < 0.94
6.5 < 0.95
11.0 < 0.92
15.5 < 1.0
19.0 < 0.76
26.0 < 1.0
DPT-70
Depth 12DCA (µg/kg)
6.5 < 0.89
DPT-74
Depth 12DCA (µg/kg)
0.0 < 0.93
0.5 < 1.0
6.0 < 1.1
11.0 < 0.91
16.0 < 1.0
20.0 < 0.82
27.0 < 1.1
DPT-74
Depth 12DCA (µg/kg)
20.0 < 0.79
DPT-75
Depth 12DCA (µg/kg)
0.5 < 1.0
7.0 < 0.91
11.0 < 0.86
15.0 < 1.0
18.5 < 1.1
23.0 < 1.1
27.0 < 0.86
31.0 < 0.99
DPT-75
Depth 12DCA (µg/kg)
27.0 < 0.82
DPT-106
Depth 12DCA (µg/kg)
0.5 < 92
5.0 < 0.88
10.0 < 1.1
16.0 < 0.90
19.5 < 41
25.0 < 52
DPT-105
Depth 12DCA (µg/kg)
6.0 < 1.1
10.0 < 0.94
15.0 < 1.1
20.0 < 0.83
DPT-104
Depth 12DCA (µg/kg)
5.0 < 1.0
10.0 < 52
15.5 < 51
18.0 < 40
DPT-81
Depth 12DCA (µg/kg)
0.5 < 0.85
6.0 < 46
10.5 < 41
15.0 < 1.1
18.0 < 56
20.0 < 79
24.0 < 52
DPT-82
Depth 12DCA (µg/kg)
0.5 < 0.98
6.0 < 0.95
11.0 < 0.93
16.0 < 0.79
20.0 < 60
23.0 < 54
DPT-82
Depth 12DCA (µg/kg)
20.0 < 56
DPT-103
Depth 12DCA (µg/kg)
5.0 < 1.1
10.0 < 1.0
15.0 < 1.1
22.0 < 0.79
26.5 < 0.41
DPT-78
Depth 12DCA (µg/kg)
0.5 < 1.0
5.5 < 1.1
11.0 < 0.91
15.0 < 0.76
20.0 < 0.99
27.0 < 0.78
DPT-78
Depth 12DCA (µg/kg)
20.0 < 0.74
DPT-77
Depth 12DCA (µg/kg)
0.5 < 1.0
5.5 < 1.2
11.0 < 0.79
15.0 < 0.88
20.0 < 0.84
26.5 < 0.79
TANK 80004
DPT-80
Depth 12DCA (µg/kg)
0.5 < 1.1
6.0 < 1.0
11.0 < 0.84
15.0 < 0.85
20.0 < 0.83
24.0 < 0.74
DPT-80
Depth 12DCA (µg/kg)
6.0 < 1.2
DPT-79
Depth 12DCA (µg/kg)
0.5 < 1.1
6.0 < 1.1
11.5 < 0.78
16.0 < 0.94
20.0 < 0.80
26.0 < 1.0
DPT-89
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 0.91
10.0 < 0.84
14.0 < 0.95
18.0 < 360
25.0 < 38
DPT-88
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.3
10.0 < 0.75
15.0 < 0.82
19.0 < 860
23.0 < 77
26.0 < 85
DPT-88
Depth 12DCA (µg/kg)
26.0 < 40
DPT-90
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.1
8.5 < 0.84
14.0 < 0.84
20.0 < 40
26.0 < 44
DPT-90
Depth 12DCA (µg/kg)
5.0 < 1.1
TANK 80007
TANK 80008
DPT-91
Depth 12DCA (µg/kg)
0.5 < 0.99
5.0 < 0.88
10.0 < 0.80
16.0 < 1.0
18.0 < 430
25.0 < 2100
DPT-95
Depth 12DCA (µg/kg)
0.5 < 0.97
5.0 < 1.0
10.0 < 0.76
14.5 < 1.0
20.0 < 0.84
25.0 < 0.88
DPT-95
Depth 12DCA (µg/kg)
25.0 < 0.90
DPT-92
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.2
10.0 < 0.97
15.0 < 1.1
20.0 < 0.80
25.5 < 0.73
DPT-92
Depth 12DCA (µg/kg)
25.5 < 0.95
DPT-94
Depth 12DCA (µg/kg)
0.5 < 1.1
5.0 < 1.1
10.0 < 41
14.5 < 1.0
20.0 < 0.88
25.0 < 56
DPT-94
Depth 12DCA (µg/kg)
25.0 < 52
DPT-93
Depth 12DCA (µg/kg)
0.5 < 0.96
5.0 < 1.1
10.0 < 0.67
14.5 < 0.80
22.0 < 0.86
25.0 < 0.77
TANK 55004
TANK 80017
DPT-97
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.1
10.0 < 0.86
16.0 < 0.78
20.0 < 0.77
DPT-97
Depth 12DCA (µg/kg)
0.5 < 0.96
DPT-98
Depth 12DCA (µg/kg)
0.5 < 1.0
5.0 < 1.1
10.0 < 0.97
16.0 < 1.1
20.0 < 0.88
DPT-98
Depth 12DCA (µg/kg)
0.5 < 0.99
DPT-96
Depth 12DCA (µg/kg)
0.5 < 0.91
5.0 < 1.1
10.0 < 0.89
16.0 < 0.86
20.0 < 0.83
25.5 < 0.86
DPT-96
Depth 12DCA (µg/kg)
25.5 < 0.80
DPT-99
Depth 12DCA (µg/kg)
0.5 < 0.96
5.0 < 1.2
10.0 < 0.87
16.0 < 0.84
20.0 < 0.91
24.0 < 0.83
DPT-99
Depth 12DCA (µg/kg)
0.5 < 1.1
20.0 < 1.1
Legend
1,2 DCA IN SOIL (µg/kg)
12DCA = 1,2-Dichloroethane
J = Estimated value
< 1.0 Soil result not detected at or above the indicated laboratory reporting limit
0.68 J Soil result detected
1.4 Soil result exceed Soil Clean Up Goal
N
0 35 70 140 210 280
Feet
1 in = 140 ft
FIGURE 13
DPT LOCATION (41-107)
1,2-DICHLOROETHANE
SOIL RESULTS (µg/kg)
DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA
PARSONS
Pasadena, California
S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-13_Norwalk_SO_DPT-41_107_12DCA.mxd lxh 12/19/2012



Legend

- MTBE IN SOIL (µg/kg)

MTBE = Methyl-t-Butyl Ether
J = Estimated value
< 2.0 Soil result not detected at or above the indicated laboratory reporting limit
0.68 J Soil result detected
18 J Soil result exceed Soil Clean Up Goal

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 14

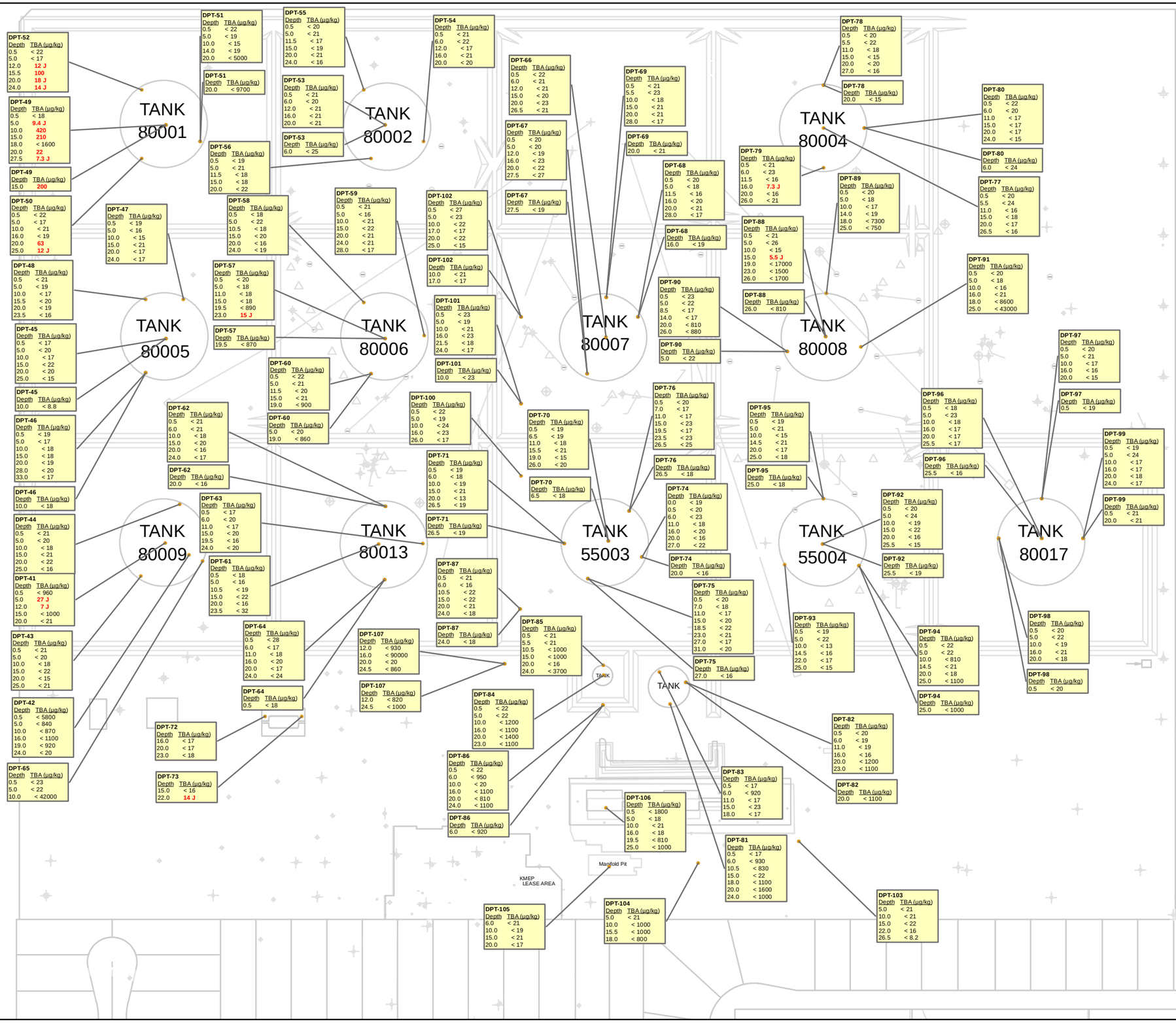
DPT LOCATION (41-107)
MTBE SOIL RESULTS (µg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-14_Norwalk_SO_DPT-41_107_MTBE.mxd lxh 12/19/2012



Legend

- TBA IN SOIL (µg/kg)

TBA = Tert-Butyl Alcohol
J = Estimated value
< 20 Soil result not detected at or above the indicated laboratory reporting limit
10 Soil result detected
420 Soil result exceed Soil Clean Up Goal

FIGURE 15

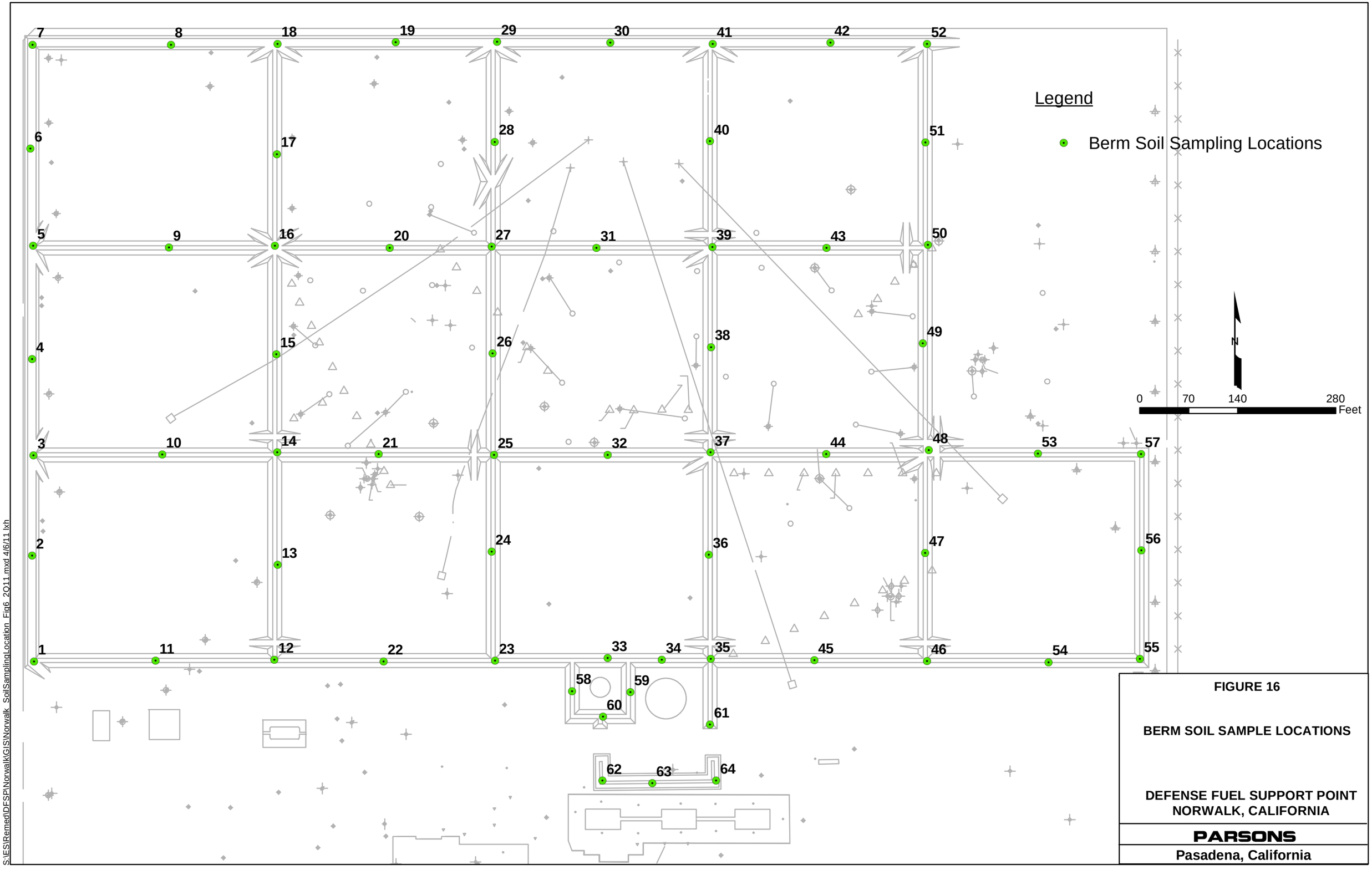
DPT LOCATION (41-107)
TBA SOIL RESULTS (µg/kg)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPTFig-15_Norwalk_SO_DPT-41_107_TBA.mxd lxh 12/19/2012



S:\ES\Remed\DFSP\Norwalk\GIS\Norwalk_SoilSamplingLocation_Fig6_2Q11.mxd 4/6/11 lxh

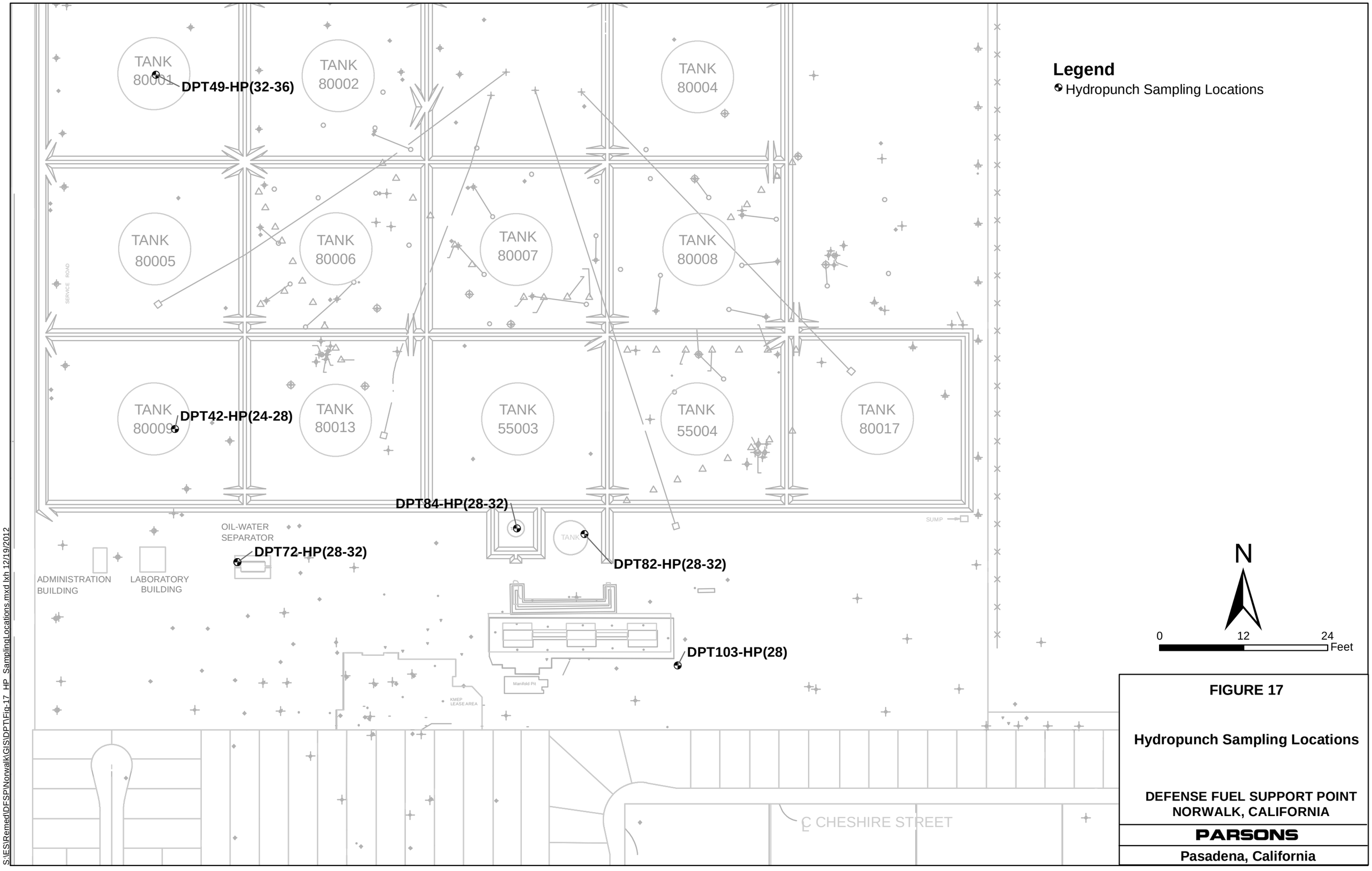
FIGURE 16

BERM SOIL SAMPLE LOCATIONS

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California



Legend

Hydropunch Sampling Locations

FIGURE 17

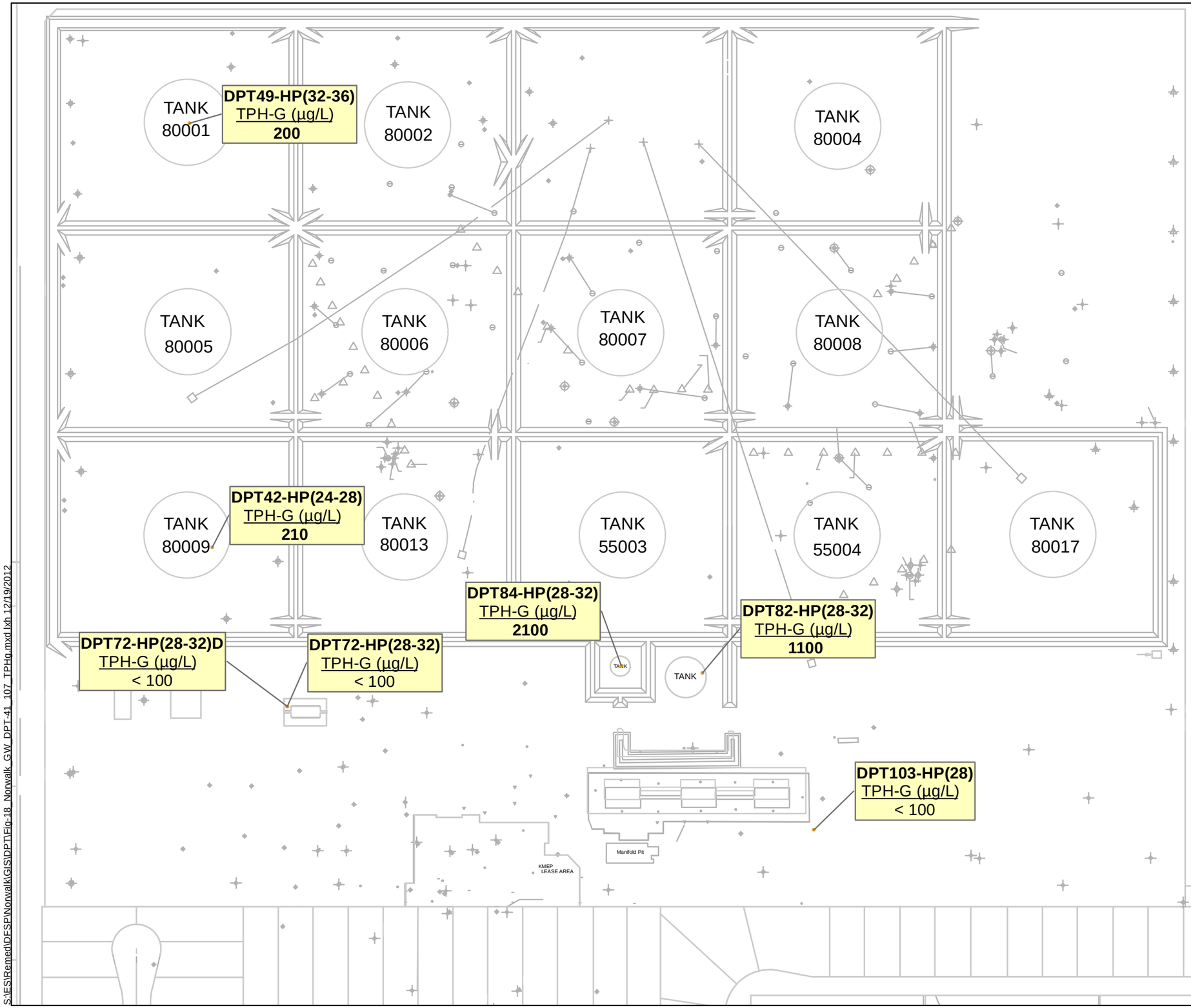
Hydropunch Sampling Locations

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-17_HP_SamplingLocations.mxd lxh 12/19/2012



Legend

- TPH AS GASOLINE (µg/L)

TPH-G = TPH as Gasoline
< 100 Hydropunch result not detected at or above the indicated laboratory reporting limit
200 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 18

TPH AS GASOLINE HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-18_Norwalk_GW_DPT-41_107_TPHg.mxd lxh 12/19/2012

TANK 80001

DPT49-HP(32-36)
TPH-D (µg/L)
640

TANK 80002

TANK 80004

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

DPT42-HP(24-28)
TPH-D (µg/L)
710

TANK 80013

TANK 55003

TANK 55004

TANK 80017

DPT84-HP(28-32)
TPH-D (µg/L)
87000

DPT82-HP(28-32)
TPH-D (µg/L)
4100

DPT72-HP(28-32)D
TPH-D (µg/L)
380

DPT72-HP(28-32)
TPH-D (µg/L)
480

TANK

TANK

DPT103-HP(28)
TPH-D (µg/L)
690

Manifold Pit

KMEP LEASE AREA

Legend

- TPH AS DIESEL (µg/L)

TPH-D = TPH as Diesel
< 100 Hydropunch result not detected at or above the indicated laboratory reporting limit
710 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 19

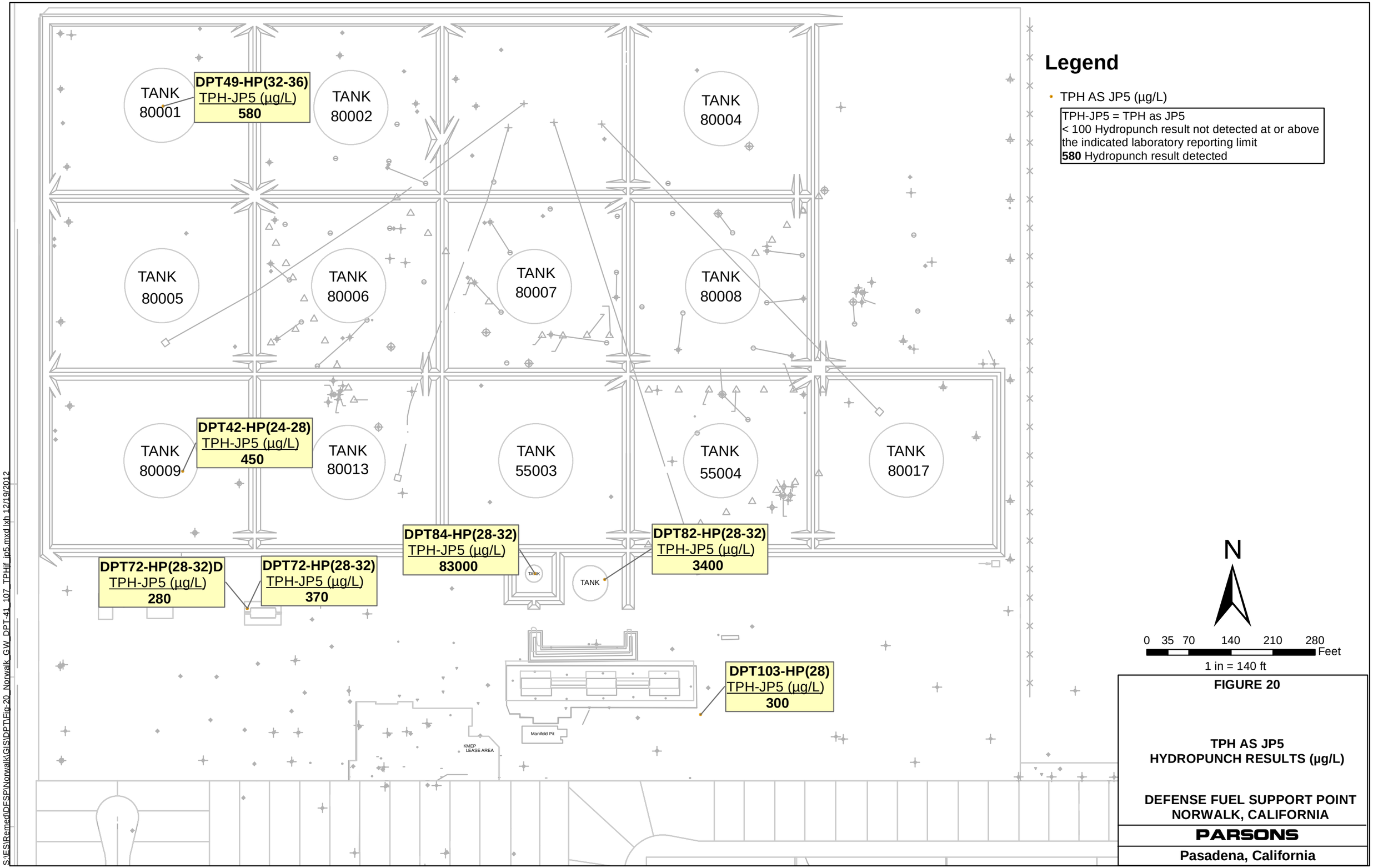
TPH AS DIESEL HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-19_Norwalk_GW_DPT-41_107_TPHd.mxd lxh 12/19/2012



Legend

- TPH AS JP5 (µg/L)

TPH-JP5 = TPH as JP5
< 100 Hydropunch result not detected at or above the indicated laboratory reporting limit
580 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 20

TPH AS JP5
HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-20_Norwalk_GW_DPT-41_107_TPHjf_jp5.mxd lkh 12/19/2012

TANK 80001

DPT49-HP(32-36)
BENZ (µg/L)
0.66

TANK 80002

TANK 80004

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

DPT42-HP(24-28)
BENZ (µg/L)
5.6

TANK 80013

TANK 55003

TANK 55004

TANK 80017

DPT84-HP(28-32)
BENZ (µg/L)
56

DPT82-HP(28-32)
BENZ (µg/L)
0.64

DPT72-HP(28-32)D
BENZ (µg/L)
< 0.50

DPT72-HP(28-32)
BENZ (µg/L)
< 0.50

TANK

TANK

DPT103-HP(28)
BENZ (µg/L)
0.28 J

Manifold Pit

KMEP LEASE AREA

Legend

- BENZENE (µg/L)

BENZ = Benzene
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
5.6 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 21

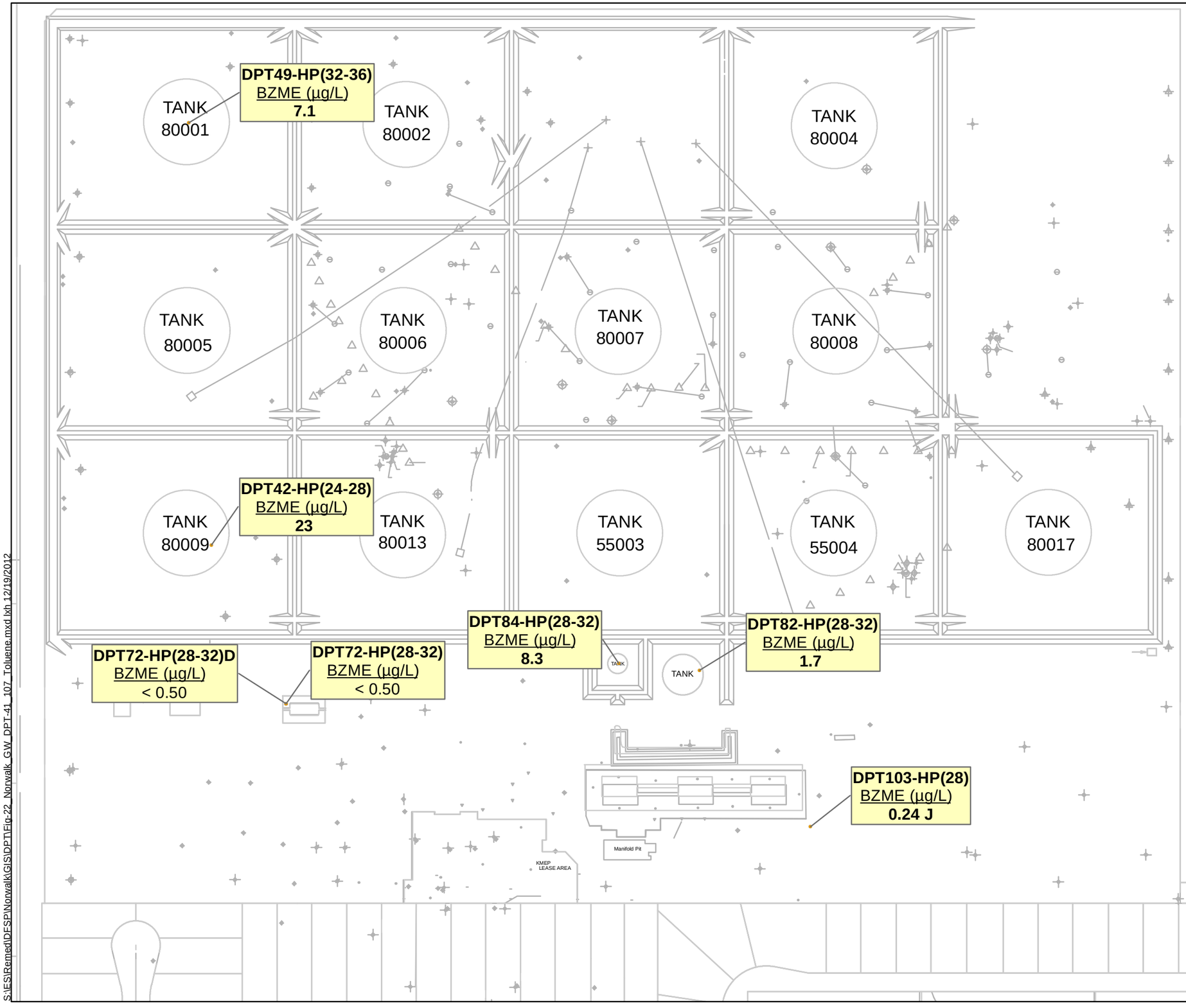
BENZENE
HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-21_Norwalk_GW_DPT-41_107_BZ.mxd kh 12/19/2012



Legend

- TOLUENE (µg/L)

BZME = Toluene
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
8.3 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 22

TOLUENE HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-22_Norwalk_GW_DPT-41_107_Toluene.mxd lxh 12/19/2012

TANK 80001

DPT49-HP(32-36)
EBZ (µg/L)
0.44 J

TANK 80002

TANK 80004

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

DPT42-HP(24-28)
EBZ (µg/L)
6.9

TANK 80013

TANK 55003

TANK 55004

TANK 80017

DPT84-HP(28-32)
EBZ (µg/L)
670

DPT82-HP(28-32)
EBZ (µg/L)
3.1

DPT72-HP(28-32)D
EBZ (µg/L)
< 0.50

DPT72-HP(28-32)
EBZ (µg/L)
< 0.50

TANK

TANK

Manifold Pit

KMEP LEASE AREA

DPT103-HP(28)
EBZ (µg/L)
< 0.50

Legend

- ETHYLBENZENE (µg/L)

EBZ = EthylBenzene
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
6.9 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 23

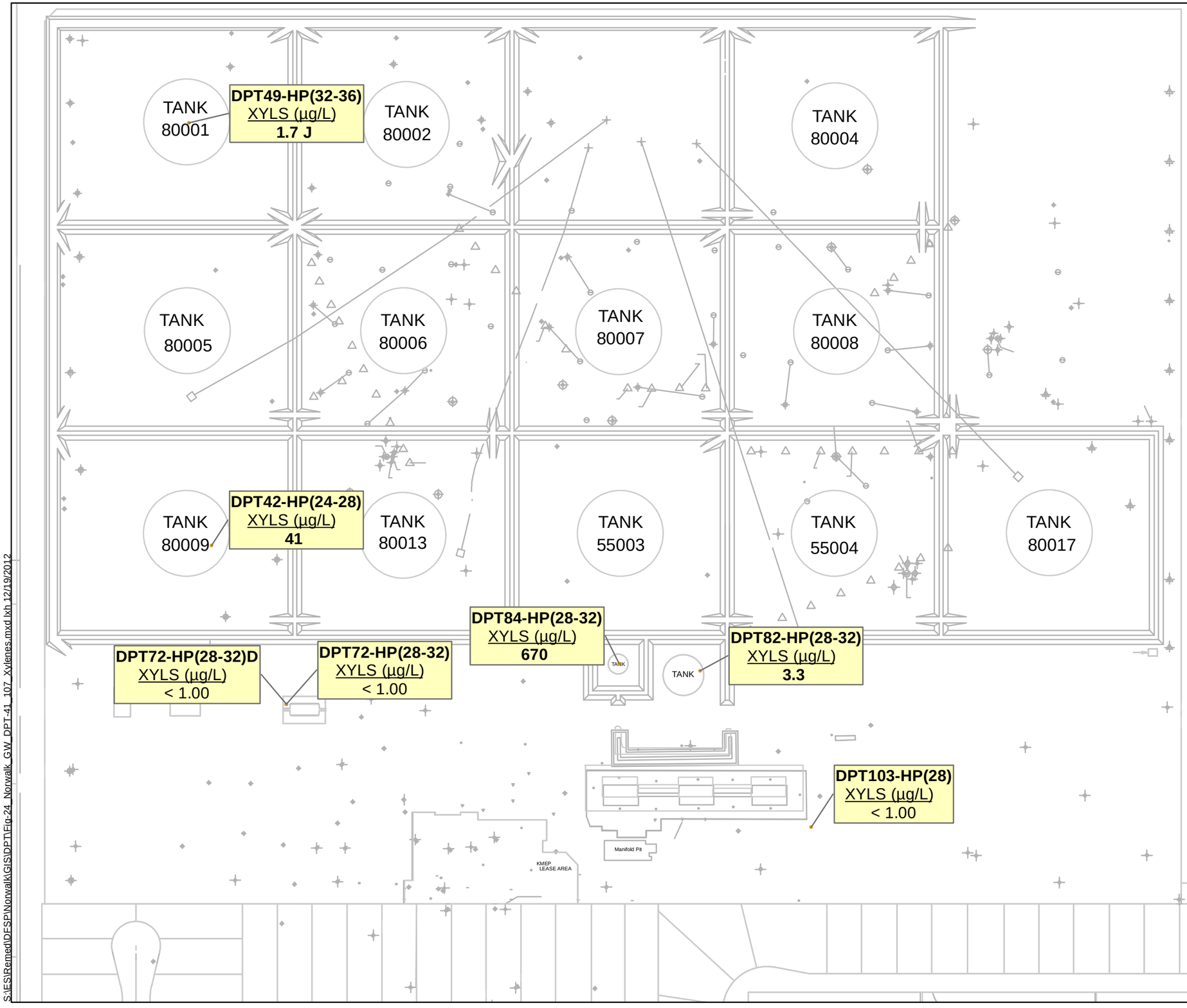
ETHYLBENZENE HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

S:\ES\Remed\DFSP\Norwalk\GIS\DPT\Fig-23_Norwalk_GW_DPT-41_107_EBZ.mxd kh 12/19/2012



Legend

- XYLENES (TOTAL) (µg/L)

XYLS = Xylenes (Total)
J = Estimated value
< 1.00 Hydropunch result not detected at or above the indicated laboratory reporting limit
41 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 24

XYLENES (TOTAL)
HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT
NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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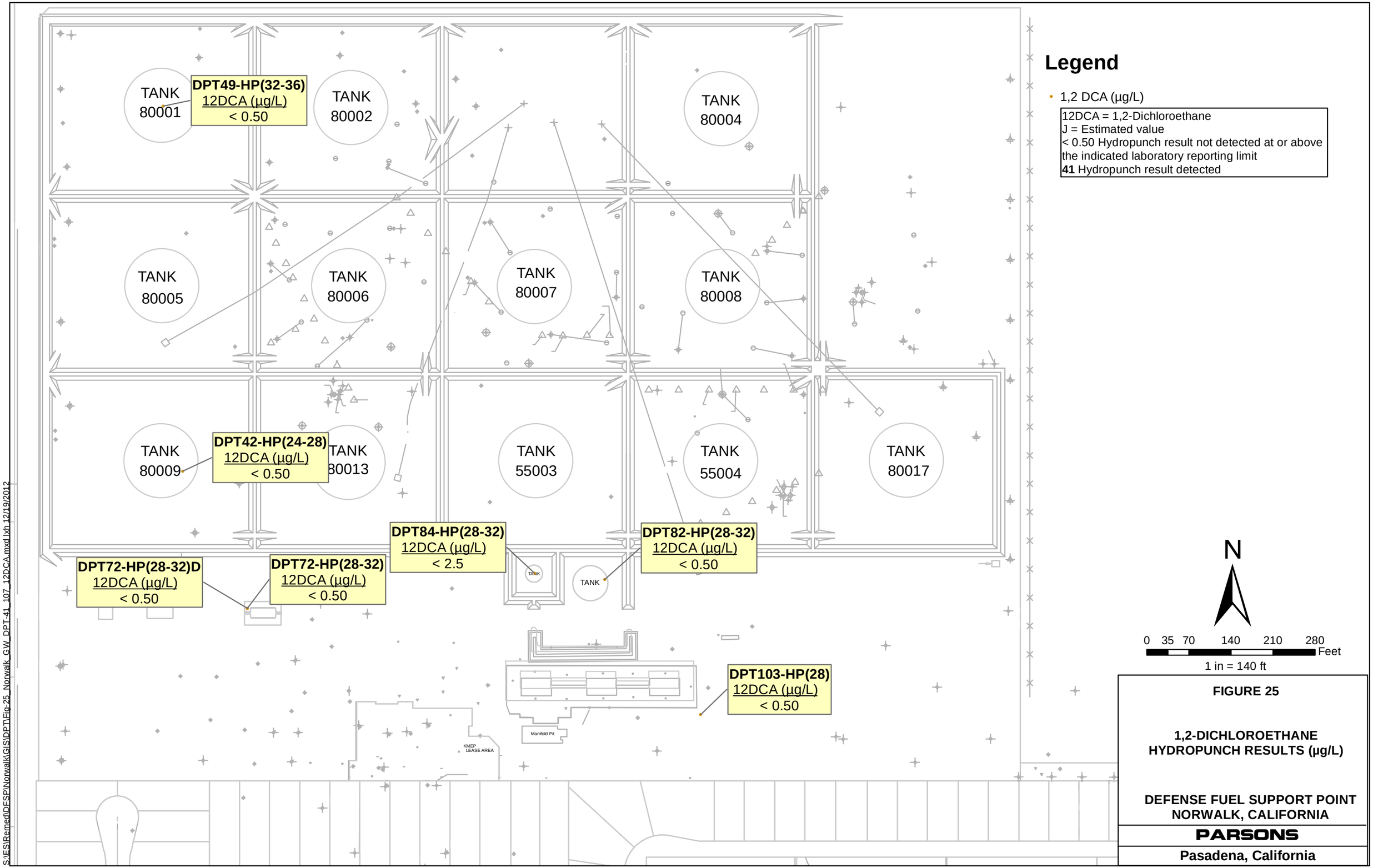

Legend

- 1,2 DCA (µg/L)

12DCA = 1,2-Dichloroethane
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
41 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 25

1,2-DICHLOROETHANE HYDROPUNCH RESULTS (µg/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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TANK 80001

DPT49-HP(32-36)
MTBE (µg/L)
< 0.50

TANK 80002

TANK 80004

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

DPT42-HP(24-28)
MTBE (µg/L)
< 0.50

TANK 80013

TANK 55003

TANK 55004

TANK 80017

DPT72-HP(28-32)D
MTBE (µg/L)
< 0.50

DPT72-HP(28-32)
MTBE (µg/L)
< 0.50

DPT84-HP(28-32)
MTBE (µg/L)
< 2.5

TANK

TANK

DPT82-HP(28-32)
MTBE (µg/L)
0.49 J

DPT103-HP(28)
MTBE (µg/L)
< 0.50

Manifold Pit

KMEP LEASE AREA

Legend

- MTBE (µg/L)

MTBE = Methyl-t-Butyl Ether
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
41 Hydropunch result detected

N

0 35 70 140 210 280 Feet

1 in = 140 ft

FIGURE 26

METHYL-T-BUTYL ETHER (MTBE) HYDROPUNCH RESULTS (µG/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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TANK 80001

DPT49-HP(32-36)
TBA (µg/L)
8.4 J

TANK 80002

TANK 80004

TANK 80005

TANK 80006

TANK 80007

TANK 80008

TANK 80009

DPT42-HP(24-28)
TBA (µg/L)
< 10

TANK 80013

TANK 55003

TANK 55004

TANK 80017

DPT84-HP(28-32)
TBA (µg/L)
< 50

DPT82-HP(28-32)
TBA (µg/L)
24

DPT72-HP(28-32)D
TBA (µg/L)
< 10

DPT72-HP(28-32)
TBA (µg/L)
< 10

TANK

TANK

DPT103-HP(28)
TBA (µg/L)
< 10

Manifold Pit

KMEP
LEASE AREA

Legend

- Tert-Butyl Alcohol (TBA) (µg/L)

TBA = Tert-Butyl Alcohol
J = Estimated value
< 0.50 Hydropunch result not detected at or above the indicated laboratory reporting limit
24 Hydropunch result detected

N

0 35 70 140 210 280
Feet

1 in = 140 ft

FIGURE 27

TERT-BUTYL ALCOHOL (TBA) HYDROPUNCH RESULTS (µG/L)

DEFENSE FUEL SUPPORT POINT NORWALK, CALIFORNIA

PARSONS

Pasadena, California

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