



November 4, 2015

Mr. Paul Cho, P.G.
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California Regional Water Quality Control Board, Site Cleanup Unit IV
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Phase 4 Report and Request for Soil Reuse
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California
(SCP NO. 0286A, Site ID NO. 16638)

Dear Mr. Cho:

The attached report presents the results of on-going sampling and analysis of soil samples collected at the former DFSP Norwalk located at 15306 Norwalk Boulevard, Norwalk, California. This work has been conducted by The Source Group, Inc. (SGI) for the Defense Logistics Agency – Energy (DLA – Energy) as part of the site restoration of DFSP Norwalk facility. All work described herein has been completed under the regulatory oversight of the Regional Water Quality Control Board (RWQCB). The soil remediation tasks are progressing and Table 1 presents a summary of the first phases of the project; the summary provided in Table 1 will be updated in each subsequent submittal of future reports.

The attached Phase 4 Report presents confirmation sampling results for soil samples collected from seven treatment stockpiles located in Basins 80004 and 80006 and four clean soil piles located in Basins 80001, 80005, 80009, and 55003. The report also lists the proposed soil disposition and reuse as summarized in the attached Table 2.

The seven treated soil piles, “80004-A, -B, -C, -E, -F, and -G” and “80006-F” contain between 794 and 903 cubic yards. In accordance with previously approved work plans, the soil present in each soil piles was evaluated through the collection and analysis of 35 soil confirmation samples. Comparison of confirmation sampling analytical results against RWQCB-approved site cleanup goals indicated that 74 cubic yards of soil will require additional treatment. The balance of the soil has reached target cleanup goals and accordingly 4,986 cubic yards of soil is acceptable for unrestricted site use and 850 cubic yards of soil is acceptable for use as fill in shallow (within 5 feet of ground surface) excavations.

Each sampled section of the stockpiles is clearly marked in the field and will be specifically handled during soil reuse operations to ensure that the soil is placed into operational stockpiles, restricted re-use locations, and or unrestricted use locations.

The report also includes the results of confirmation samples collected at four stockpiles accumulated during the segregation of soil screened as clean overburden. Confirmation sample results for clean soil stockpiles “C-CS-08-EX13-SP01” and “C-CS-18-EX09-SP01” indicate that all samples are below the strictest cleanup goals. Clean soil stockpile “C-CS-06-EX06-SP01” had two samples acceptable for shallow soil reuse and “C-CS-17-EX15-SP01” had one sample acceptable for shallow soil reuse. These

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sections of soil will be specifically handled during soil reuse operations to ensure that soil is placed into shallow (within 5 feet of ground surface) excavations.

Based on these findings, SGI and DLA Energy request that the RWQCB authorize reuse of segregated soil from seven treated stockpiles and from four clean soil stockpiles as detailed in this document.

If there are any questions regarding the information provided please call me at (562) 597-1055.

Sincerely,

The Source Group, Inc.



Paul Parmentier
Principal Hydrogeologist

Ec: Mr. Nick Carros, DLA Energy
Mr. Neil F. Irish, SGI
File: DFSP Norwalk – 04-NDLA-007

Enclosures:

Table 1: Phase Summary

Table 2: Summary of Phase 4 Treated Stockpiles

Phase 4 Stockpiles Confirmation Sampling Report

TABLE 1
Phase Summary
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, California 90650

Phase	Report Type	Report Date	Approval Date	Tasks	Status
Phase 1	Confirmation Sampling Report	07/14/15	07/22/15	Excavation #5	Backfilled
				Excavation #3, 4 & 14	Backfilled
				Clean Soil Pile CS-01	Used for excavation backfill
				Clean Soil Pile CS-02A	Not yet used for excavation backfill
				Clean Soil Pile CS-10	Used for excavation backfill
				Clean Soil Pile CS-12	Partially used for excavation backfill
	Clean Soil Pile CS-14	Not yet used for excavation backfill			
Completion Report	07/30/15	08/30/15	--	--	
Phase 2	Confirmation Sampling Report	07/30/15	08/06/15	Excavation #1	Partially backfilled to allow for stormwater collection
				Excavation #2	Backfilled
				Excavation #8	Backfilled
				Clean Soil Pile CS-11	Not yet used for excavation backfill
				Clean Soil Pile CS-13	Not yet used for excavation backfill
				Treated Stockpile Powerine-A	Segregated for reuse for backfilling of Excavations #1, #2, and #8
	Treated Stockpile Powerine-B				
Treated Stockpile Powerine-C					
Treated Stockpile Powerine-D					
Completion Report	10/16/15	--	--		
Phase 3	Confirmation Sampling Report	09/03/15	09/21/15	Treated Stockpile 80002-A	Segregated for reuse. Partial reuse for backfilling of Phase 2 Excavation #8.
				Treated Stockpile 80002-B	
				Treated Stockpile 80002-C	
				Treated Stockpile 80002-D	
				Treated Stockpile 80002-E	
				Treated Stockpile 80006-A	
				Treated Stockpile 80006-B	
				Treated Stockpile 80006-C	
				Treated Stockpile 80006-D	
Treated Stockpile 80006-E					
Phase 4	Confirmation Sampling Report	11/04/15	Pending	Treated Stockpile 80004-A	Not yet used for excavation backfill
				Treated Stockpile 80004-B	Not yet used for excavation backfill
				Treated Stockpile 80004-C	Not yet used for excavation backfill
				Treated Stockpile 80004-E	Not yet used for excavation backfill
				Treated Stockpile 80004-F	Not yet used for excavation backfill
				Treated Stockpile 80004-G	Not yet used for excavation backfill
				Treated Stockpile 80006-F	Not yet used for excavation backfill
				Clean Soil Pile CS-06	Not yet used for excavation backfill
				Clean Soil Pile CS-08	Not yet used for excavation backfill
				Clean Soil Pile CS-17	Not yet used for excavation backfill
				Clean Soil Pile CS-18	Not yet used for excavation backfill

TABLE 2
Summary of Phase 4 Treated Soil Stockpile Soil Reuse
 DFSP Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Stockpile Number	Stockpile Volume (yds ³)	Confirmation Sampling Status	Unrestricted Soil Reuse	Percent Unrestricted	Shallow Soil Reuse (Restricted)	Percent Restricted	Retreatment	Percent Retreatment	Comments
80004-A	858	35 samples 9/28/2015: 31 sections under deep cleanup goals; 4 sections acceptable for shallow soil reuse	764	89%	94	11%	0	0%	4 sections selectively separated for shallow backfilling
80004-B	794	35 Samples 10/14/2015: All sections below deep cleanup goals	794	100%	0	0%	0	0%	
80004-C	824	35 Samples 10/15/2015: 31 sections under deep cleanup goals; 1 section acceptable for shallow soil reuse; 3 sections requiring retreatment	725	88%	25	3%	74	9%	1 section selectively separated for shallow backfilling; 3 sections selectively separated for retreatment
80004-E	903	35 samples 10/15/2015: 34 sections under deep cleanup goals; 1 section acceptable for shallow soil reuse	876	97%	27	3%	0	0%	1 section selectively separated for shallow backfilling
80004-F	862	35 samples 9/30/2015: 10 sections under deep cleanup goals; 25 sections acceptable for shallow soil reuse	250	29%	612	71%	0	0%	25 sections selectively separated for shallow backfilling
80004-G	835	35 Samples 9/30/2015: 31 sections under deep cleanup goals; 4 sections acceptable for shallow soil reuse	743	89%	92	11%	0	0%	4 sections selectively separated for shallow backfilling
80006-F	834	35 Samples 10/14/2015: All sections below deep cleanup goals	834	100%	0	0%	0	0%	
Total Volume	5,910		4,986	84%	850	14%	74	2%	

Notes:
 yds³ = cubic yards

**PHASE 4 STOCKPILES CONFIRMATION
SAMPLING REPORT**

**Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard
Norwalk, California 90650**

04-NDLA-007

Prepared For:



**Defense Logistics Agency
8725 John J. Kingman Avenue
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Prepared By:



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November 4, 2015

Prepared By:

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Principal Hydrogeologist

Reviewed By:

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for: Neil Irish, P.G. 5484
Principal Geologist

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1.0 INTRODUCTION

This report documents the handling and confirmation sampling of stockpiled soil associated with the soil remediation operations at the former Defense Fuel Support Point (DFSP) Norwalk site located at 15306 Norwalk Boulevard, in Norwalk, California 90650 (Site; Figure 1). This *Phase 4 Stockpiles Confirmation Sampling Report (Phase 4 Report)* was prepared by The Source Group, Inc. (SGI), on behalf of the Defense Logistics Agency - Energy (DLA - Energy). This report documents analytical results for confirmation soil samples collected from seven stockpiles containing soil treated to remove petroleum hydrocarbons and volatile organic compounds (VOCs) and soil segregated as clean soil into four stockpiles. The purpose of this report is to obtain approval for soil reuse from the Regional Water Quality Control Board (RWQCB). After RWQCB approval for reuse of clean soil, DLA - Energy will submit Phase Completion Reports to the RWQCB.

The remediation of soil, groundwater, and light non-aqueous phase liquids (LNAPL) has been on-going since 1995 at DFSP Norwalk. These remedial efforts have resulted in the removal of the majority of the LNAPL from the shallow aquifer and the removal and destruction of thousands of pounds of hydrocarbons present in soil and groundwater using extractive and *in-situ* treatment methods. The primary sources of contamination (tanks and pipelines) associated with former DLA - Energy operations have also been removed.

To implement additional source removal, DLA - Energy proposed excavation of soil with on-site treatment. The soil removal and proposed confirmation sampling was proposed in SGI's *Soil Remediation Action Plan* (SGI, 2014), conditionally approved by the RWQCB on January 7, 2015. The soil excavation is conducted following the South Coast Air Quality Management District (SCAQMD) site-specific soil excavation and treatment permits Nos. 566483 and 568793.

On June 15, 2015, SGI submitted to RWQCB a *Proposed Addendum to the Soil Cleanup Goals* (SGI, 2015c) to clarify the hydrocarbon ranges and to incorporate longer-chain petroleum hydrocarbons (with >C25 carbon chain); RWQCB approved the new cleanup goals on July 16, 2015. The revised cleanup goals are summarized in Table 1, and include target concentrations for unrestricted soil reuse (strictest cleanup goals for soil to be used for backfilling at any depth) and for restricted soil reuse (less strict cleanup goals for backfilling at depths of 5 feet or less).

The soil treatment, confirmation sampling, and backfilling procedures for the site were presented in SGI's June 15, 2015, *Revised Field Sampling and Analysis Plan and Sampling Strategy* (SGI, 2015a) and the June 15, 2015, *Work Plan for VOC Analyses Results Validation* (SGI, 2015b).

When all site excavation has been completed, this *Phase 4 Report* will be incorporated by reference within a site-wide soil remediation completion report.

2.0 SOIL TREATMENT STOCKPILES CONFIRMATION SAMPLING AND RESULTS

This section documents the condition of seven stockpiles containing soil treated to remove hydrocarbons and VOCs. The origins, locations, volumes, confirmation sampling, and analytical results for each stockpile are described in this section. Table 2 and Table 3 summarize the TPH and VOC soil sample results, respectively, for the treated stockpiles. Laboratory reports for the stockpiles below can be found in Appendix A. Table 4 presents a summary of proposed treated soil segregation and reuse.

2.1 Stockpiles Analyses Results

2.1.1 Stockpile Number 80004-A

Treatment stockpile 80004-A originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #6 and Excavation #17 in former Basin 80009, and miscellaneous soil. Treatment stockpile 80004-A is located in the former Basin 80004 (Figure 2) and contains approximately 858 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) were all non-detect (<0.50 mg/kg),
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 340 mg/kg; 4 samples contained TPH concentrations that exceed the strictest cleanup goals, but are acceptable for shallow soil reuse,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from 21 to 1,300 mg/kg; of the 4 samples mention above, 1 sample also contained a TPH concentration that exceeded the strictest cleanup goals for C23-C44, but is acceptable for shallow soil reuse,
- The results of VOC analysis indicated minor concentrations of acetone, toluene, and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, stockpile 80004-A is proposed to be segregated into 764 cubic yards (89%) of soil for unrestricted reuse and 94 cubic yards (11%) of soil for restricted (shallow) use.

2.1.2 Stockpile Number 80004-B

Treatment stockpile 80004-B originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #6 and Excavation #28 in former Basin 80009. Treatment stockpile 80004-B is located in the former Basin 80004 (Figure 2) and contains approximately 794 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 “Sampling” of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) ranged from <0.50 to 0.50 mg/kg: all results were below the strictest cleanup goals,
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 16 mg/kg; all results were below the strictest cleanup goals,,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from 21 to 144 mg/kg; all results were below the strictest cleanup goals,
- The results of VOC analysis indicated minor concentrations of acetone, toluene, and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, it is proposed that the entirety of stockpile 80004-B be used as unrestricted soil.

2.1.3 Stockpile Number 80004-C

Treatment stockpile 80004-C originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #17 and Excavation #28 in former Basin 80009. Treatment stockpile 80004-C is located in the former Basin 80004 (Figure 2) and contains approximately 824 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 “Sampling” of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) ranged from <0.50 to 210 mg/kg; 1 sample contained a TPH concentration that exceeded the strictest cleanup goals for C4-C12, but is acceptable for shallow soil reuse,
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 160 mg/kg; one sample contained a TPH concentration that exceeded the strictest cleanup goals for C13-C22, but is acceptable for shallow soil reuse,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) were all non-detect (<10 mg/kg),
- The results of VOC analysis indicated that three samples had concentrations of tertbutylalcohol (TBA) that exceeded the cleanup goals, two samples had concentrations of 4-Isopropyltoluene—one had a concentration that is acceptable for shallow soil reuse and one had a concentration that exceeded all cleanup goals—one sample had a concentration of Napthalene that exceeded the strictest cleanup goal but is acceptable for shallow soil reuse, one sample had a concentration of 1,3,5-Trimethylbenzene that exceeded the

cleanup goals. There were some minor concentrations of sec-Butylbenzene, n-Butylbenzene, Toluene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene, but all were below the strictest cleanup goals. Note that the reported TBA results may be due to the sample preservation method, but are conservatively considered representative of soil conditions for this set of samples

Accordingly, stockpile 80004-C is proposed to be segregated into 725 cubic yards (88%) of soil for unrestricted reuse, 25 cubic yards (3%) of soil for restricted (shallow) use, and 74 cubic yards (9%) of soil for retreatment.

2.1.4 Stockpile Number 80004-E

Treatment stockpile 80004-E originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #17 in former Basin 80009 and miscellaneous soil. Treatment stockpile 80004-E is located in the former Basin 80004 (Figure 2) and contains approximately 903 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) ranged from <0.50 to 4.7 mg/kg; all results were below the strictest cleanup goals,
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 170 mg/kg; one sample had a concentration that exceeded the strictest cleanup goals for C13-C22, but is acceptable for shallow soil reuse,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from 21 to 1,000 mg/kg; all results were below the strictest cleanup goals,
- The results of VOC analysis indicated minor concentrations of acetone, toluene, o-Xylene, and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, stockpile 80004-E is proposed to be segregated into 876 cubic yards (97%) of soil for unrestricted reuse and 27 cubic yards (3%) of soil for restricted (shallow) use.

2.1.5 Stockpile Number 80004-F

Treatment stockpile 80004-F originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #10 in the South Central part of the site, Excavation #28 in former Basin 80009, and miscellaneous soil. Treatment stockpile 80004-F is located in former Basin 80004 (Figure 2) and contains approximately 862 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 “Sampling” of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) ranged from <0.50 to 13 mg/kg; all results were below the strictest cleanup goals,
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from 18 to 950 mg/kg; 25 samples contained TPH concentrations that exceeded the strictest cleanup goals, but are acceptable for shallow soil reuse,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from 169 to 2,310 mg/kg; of the above mentioned 25 samples, 13 also contained TPH concentrations that exceeded the strictest cleanup goals for C23-C44, but are acceptable for shallow soil reuse,
- The results of VOC analysis indicated minor concentrations of acetone and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, stockpile 80004-F is proposed to be segregated into 250 cubic yards (29%) of soil for unrestricted reuse and 612 cubic yards (71%) of soil for restricted (shallow) use.

2.1.6 Stockpile Number 80004-G

Treatment stockpile 80004-G originated as hydrocarbon-impacted soil generated during removal of soil from Excavation #10 in the South Central area and Excavation #28 in former Basin 80009. Treatment stockpile 80004-G is located in former Basin 80004 (Figure 2) and contains approximately 835 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 “Sampling” of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) were all non-detect (<0.50 mg/kg),
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 500 mg/kg; four samples contained TPH concentrations that exceeded the strictest cleanup goals but are acceptable for shallow soil reuse,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from <10 to 730 mg/kg; all results were below the strictest cleanup goals,
- The results of VOC analysis indicated minor concentrations of acetone, toluene, and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, stockpile 80004-A is proposed to be segregated into 743 cubic yards (89%) of soil for unrestricted reuse and 92 cubic yards (11%) of soil for restricted (shallow) use.

2.1.7 Stockpile Number 80006-F

Treatment stockpile 80006-F originated as hydrocarbon-impacted soil generated during the removal of soil from Excavation #22 in the South Central area. Treatment stockpile 80006-F is located in former Basin 80006 (Figure 2) and contains approximately 834 cubic yards of soil.

In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 35 samples were collected and analyzed. Analytical results for confirmation soil samples were as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (C4-C12; strictest cleanup goal: 100 milligrams per kilogram [mg/kg]) were all non-detect (<0.50 mg/kg),
- TPH C13-C22 (strictest cleanup goal: 100 mg/kg) ranged from <10 to 83 mg/kg; all results were below the strictest cleanup goals,
- TPH C23-C44 (strictest cleanup goal: 1,000 mg/kg) ranged from <10 to 340 mg/kg; all results were below the strictest cleanup goals,
- The results of VOC analysis indicated minor concentrations of acetone, toluene, and m,p-Xylenes, all below the strictest cleanup goals.

Accordingly, it is proposed that the entirety of stockpile 80006-F be used as unrestricted soil.

2.2 Treated Soil Reuse Summary

As summarized in Table 4, comparison of confirmation sampling analytical results against RWQCB-approved site cleanup goals indicated that 74 cubic yards of soil will require additional treatment. The balance of the soil has reached target cleanup goals and accordingly 4,986 cubic yards of soil is acceptable for unrestricted site use and 850 cubic yards of soil is acceptable use as fill in shallow (within 5 feet of ground surface) excavations.

3.0 CLEAN SOIL STOCKPILES CONFIRMATION SAMPLING AND RESULTS

The excavation of areas of hydrocarbon-contaminated soil at the Site resulted in the removal of overburden soil that was confirmed in the field by Photoionization Detector (PID) screening and visual observations to be non-contaminated. That soil was stockpiled at the Site and sampled pending approval for its reuse. The location, origin, and confirmation sampling of these stockpiles are further presented in the following sections.

3.1 Stockpile C-CS-06-EX06-SP01, C-CS-08-EX13-SP01, C-CS-17-EX15-SP01, and C-CS-18-EX09-SP01

Figure 2 presents the location of stockpiles C-CS-06-EX06-SP01, C-CS-08-EX13-SP01, C-CS-17-EX15-SP01, and C-CS-18-EX09-SP01. The origin and estimated volume of the stockpiled soil are documented as follows.

3.1.1 Clean Soil Stockpile C-CS-06-EX06-SP01

This stockpile originated as soil segregated as clean soil from Excavation #6, #17, and #28 in former Basin 80009. This stockpile is located on the west side of former Basin 80009 (Figure 2).

3.1.2 Clean Soil Stockpile C-CS-08-EX13-SP01

This stockpile originated as soil segregated as clean soil from Excavation #13 in the vicinity of former Basin 80001. This stockpile is located on the west side of former Basin 80001 (Figure 2).

3.1.3 Clean Soil Stockpile C-CS-17-EX15-SP01

This stockpile originated as soil segregated as clean soil from Excavation #15 in the vicinity of former Basin 80005. This stockpile is located on the north side of former Basin 80005 (Figure 2).

3.1.4 Clean Soil Stockpile C-CS-18-EX09-SP01

This stockpile originated as soil segregated as clean soil from Excavation #9, #10, and #22 in the South Central area of the Site, and Excavation #35 in former Basin 80008. This stockpile is located in former Basin 55003 (Figure 2).

3.2 Stockpile Volume, Sampling, and Findings

Tables 5 and 6 list the results of total petroleum hydrocarbon (TPH) and volatile organic compound (VOC) analyses of the stockpile confirmation samples. The laboratory reports are provided in Appendix B.

3.2.1 Clean Soil Stockpile C-CS-06-EX06-SP01

Based upon surety data, CS-06 contains approximately 1,856 cubic yards of soil. In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015,

Revised Field Sampling and Analysis Plan and Strategy, a total of 27 soil samples were collected for characterization of the soil pile. The analytical results were compared to the strictest cleanup goal for soil to be used at depths greater than 5 feet below grade. All TPH and VOC analyses results were below the strictest cleanup goals, except for two samples.

The range of TPH values were as follows:

- Gasoline-Range Organics (GRO; deep cleanup goal: 100 milligrams per kilogram [mg/kg]): all non-detect (<0.50 mg/kg),
- TPH C6-C12 (deep cleanup goal: 100 mg/kg): all non-detect (<1.0 mg/kg),
- TPH C13-C22 (deep cleanup goal: 100 mg/kg): two samples contained TPH concentrations that exceeded the strictest cleanup goals, but are acceptable for shallow soil reuse,
- TPH C23-C44 (deep cleanup goal: 1,000 mg/kg): non-detect (<1.0 mg/kg) to 520 mg/kg; all results were below the strictest cleanup goals,

The results of VOC analyses indicate that the samples from Stockpile C-CS-06-EX06-SP01 were non-detect for all VOCs, except for acetone (below cleanup goals) in three of the samples (see Table 1 for laboratory reporting limits).

Stockpile C-CS-06-EX06-SP01 is proposed for soil reuse after segregation described in Section 3.3.

3.2.2 Clean Soil Stockpile C-CS-08-EX13-SP01

Based upon survey data, CS-08 contains approximately 550 cubic yards of soil. In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 21 soil samples were collected for characterization of the soil pile. The analytical results were compared to the strictest cleanup goal for soil to be used at depths greater than 5 feet below grade. All TPH and VOC analyses results were below the strictest cleanup goals.

The range of TPH values were as follows:

- Gasoline-Range Organics (GRO; deep cleanup goal: 100 milligrams per kilogram [mg/kg]): GRO were not detected (<0.50 mg/kg) in any of the confirmation samples,
- TPH C6-C12 (deep cleanup goal: 100 mg/kg): All non-detect (<1.0 mg/kg),
- TPH C13-C22 (deep cleanup goal: 100 mg/kg): non-detect (<1.0 mg/kg) to 83 mg/kg,
- TPH C23-C44 (deep cleanup goal: 1,000 mg/kg): non-detect (<1.0 mg/kg).

The results of VOC analyses indicate that the samples from Stockpile C-CS-08-EX13-SP01 were non-detect for all VOCs (see Table 1 for laboratory reporting limits).

3.2.3 Clean Soil Stockpile C-CS-17-EX15-SP01

Based upon survey data, CS-17 contains approximately 239 cubic yards of soil. In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 10 soil samples were collected for characterization of the soil pile. The analytical results were compared to the strictest cleanup goal for soil to be used at depths greater than 5 feet below grade. All TPH and VOC analyses results were below the strictest cleanup goals, except for one sample.

The range of TPH values were as follows:

- Gasoline-Range Organics (GRO; deep cleanup goal: 100 milligrams per kilogram [mg/kg]): GRO were not detected (<0.50 mg/kg) in any of the confirmation samples,
- TPH C6-C12 (deep cleanup goal: 100 mg/kg): All non-detect (<1.0 mg/kg),
- TPH C13-C22 (deep cleanup goal: 100 mg/kg): all results were below deep cleanup goals, except for C00380, which contained TPH at concentrations exceeding the strictest cleanup goal at 210 mg/kg. This concentration is acceptable for shallow reuse soil.
- TPH C23-C44 (deep cleanup goal: 1,000 mg/kg): all results were below deep cleanup goals, except for C00380, which contained TPH at concentrations exceeding the strictest cleanup goal at 1,820 mg/kg. This concentration is acceptable for shallow reuse soil.

The results of VOC analyses indicate that the samples from Stockpile C-CS-17-EX15-SP01 were non-detect for all VOCs (see Table 1 for laboratory reporting limits).

Stockpile C-CS-17-EX15-SP01 is proposed for soil reuse after segregation as described in Section 3.3.

3.2.4 Clean Soil Stockpile C-CS-18-EX09-SP01

Based upon survey data, CS-18 contains approximately 7,000 cubic yards of soil. In accordance with the sampling protocol for soil reuse as described in Table 2 "Sampling" of the June 15, 2015, *Revised Field Sampling and Analysis Plan and Strategy*, a total of 37 soil samples were collected for characterization of the soil pile. The analytical results were compared to the strictest cleanup goal for soil to be used at depths greater than 5 feet below grade. All TPH and VOC analyses results were below the strictest cleanup goals.

The range of TPH values were as follows:

- Gasoline-Range Organics (GRO; deep cleanup goal: 100 milligrams per kilogram [mg/kg]): GRO were not detected (<0.50 mg/kg) in any of the confirmation samples,
- TPH C6-C12 (deep cleanup goal: 100 mg/kg): All non-detect (<1.0 mg/kg),
- TPH C13-C22 (deep cleanup goal: 100 mg/kg): non-detect (<1.0 mg/kg) to 26 mg/kg,
- TPH C23-C44 (deep cleanup goal: 1,000 mg/kg): non-detect (<1.0 mg/kg) to 176 mg/kg.

The results of VOC analyses indicate that the samples from Stockpile C-CS-18-EX09-SP01 were non-detect for all VOCs (see Table 1 for laboratory reporting limits).

3.3 Summary of Stockpile Confirmation Sampling

Table 7 presents the summary of the proposed soil reuse from the four clean stockpiles. The sampling and analyses of confirmation soil samples from the C-CS-06-EX06-SP01, C-CS-08-EX13-SP01, C-CS-17-EX15-SP01, and C-CS-18-EX09-SP01 stockpiles indicate concentrations of TPH and VOCs below the strictest approved cleanup goals for the Site, excluding three samples. These sections of stockpiles C-CS-06-EX06-SP01 and C-CS-17-EX15-SP01 will be segregated for shallow soil reuse.

4.0 SUMMARY AND REQUEST FOR APPROVAL TO BACKFILL

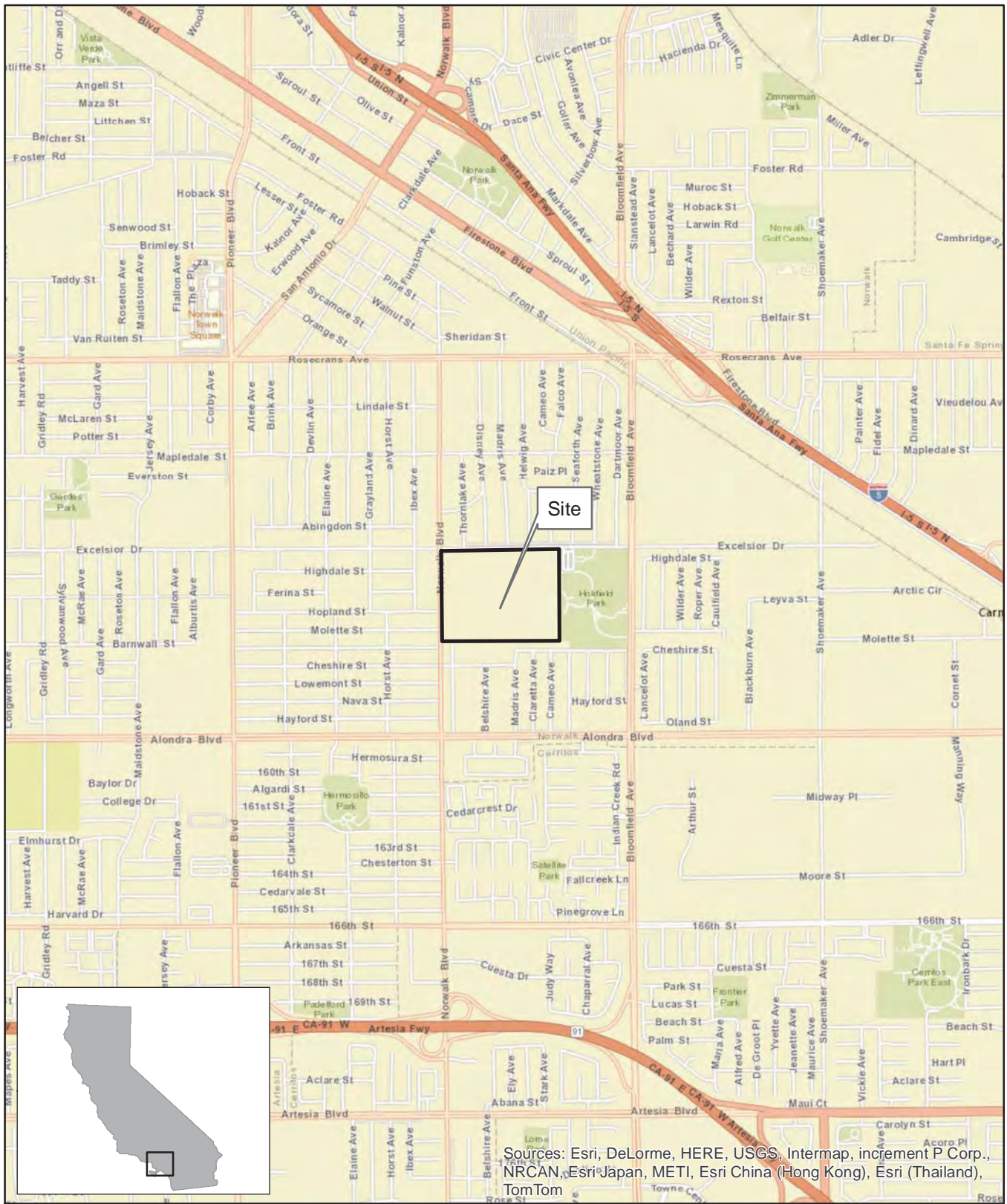
Stockpile confirmation sample results for samples collected from the stockpiles detailed in this report indicate that the soil, segregated from the stockpiles as described in the previous sections, is suitable for reuse based upon the RWQCB-approved soil cleanup goals.

Based on the results of confirmation sampling, DLA Energy requests that the RWQCB approve the use of soil segregated from seven treated soil piles (80004-A, 80004-B, 80004-C, 80004-E, 80004-F, 80004-G, and 80006-F) and from four clean soil piles (C-CS-06-EX-06-SP01, C-CS-08-EX13-SP01, C-CS-17-EX15-SP01, and C-CS-18-EX09-SP01).

5.0 REFERENCES

- The Source Group, Inc. 2014 *Soil Remedial Action Plan Defense Fuel Support Norwalk*. November 30.
- The Source Group, Inc. 2015 *Soil Management Plan: Treatment Cell Operation and Site Excavation Defense Fuel Support Norwalk*. February.
- The Source Group, Inc. 2015a *Revised Field Sampling and Analysis Plan and Sampling Strategy*. June 15.
- The Source Group, Inc. 2015b *Work Plan for VOC Analyses Results Validation*. June 15.
- The Source Group, Inc. 2015c. *Proposed Addendum to the Soil Cleanup Goals*. June 15

FIGURES



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

SOURCE:
ESRI 7.5 MINUTE TOPOGRAPHIC MAP.
<http://resources.esri.com/arcgisonline/services>

PROJECT NO.:	DATE:	DR. BY:	APP. BY:
04-NDLA-001	5/28/2014	JK	PP

SCALE= 1:24,000

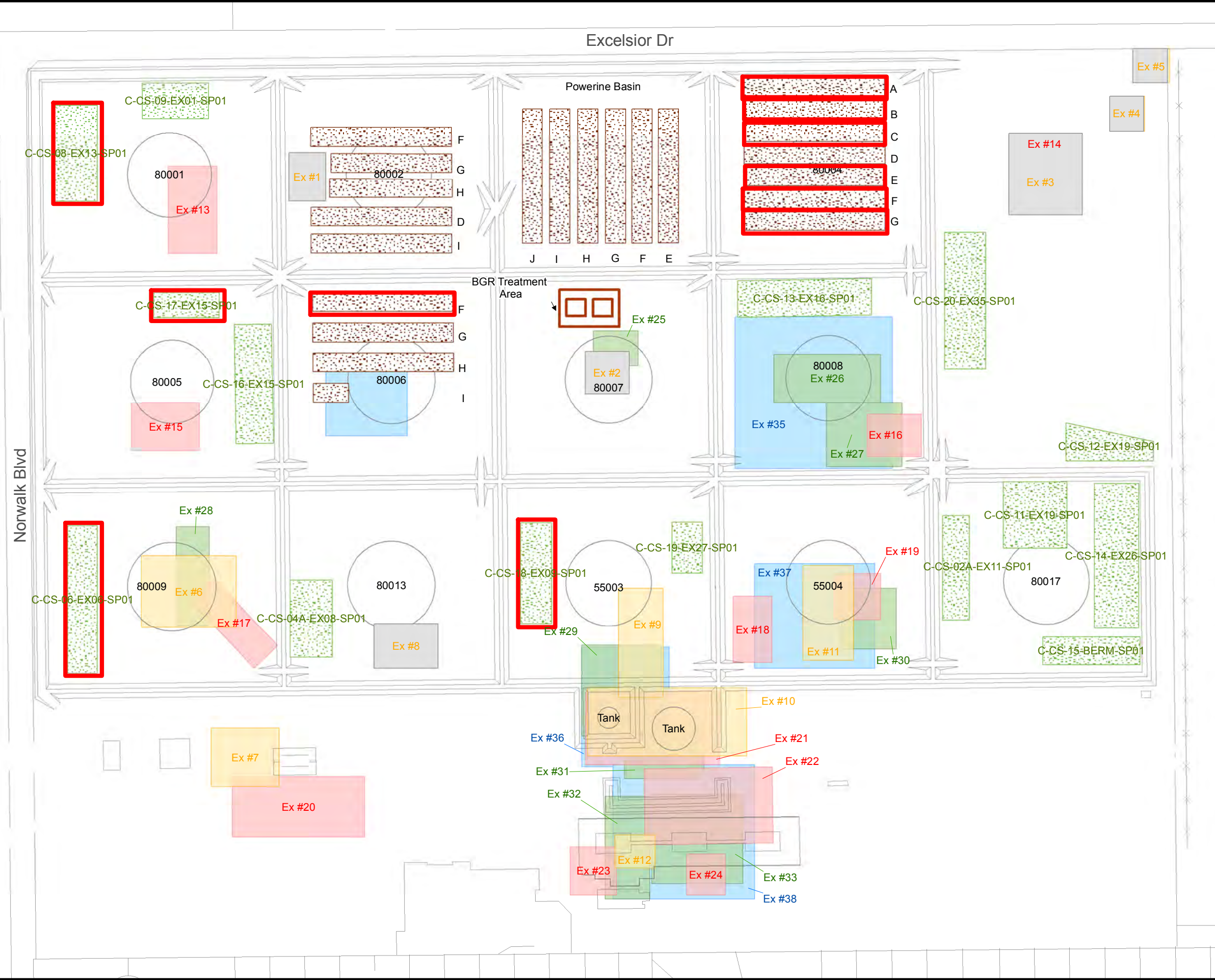


SGI THE SOURCE GROUP, INC.
environmental
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

**DEFENSE FUEL SUPPORT POINT
NORWALK**
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE
1



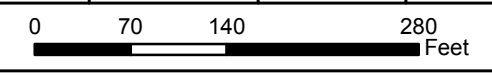
Legend

- Former Above Ground Storage Tanks
- DFSP Norwalk Border
- Backfilled Excavation
- EX # 11 Proposed Excavation 0-5ft
- EX # 14 Proposed Excavation 5-10ft
- EX # 27 Proposed Excavation 10-15ft
- EX # 38 Proposed Excavation 15-25ft
- Phase 4 Excavation, Clean Soil Pile, and Treatment Pile Locations
- Clean Soil Pile
- E Completed Treatment Row



DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
04-NDLA-007	11/03/2015	P. W	P. P

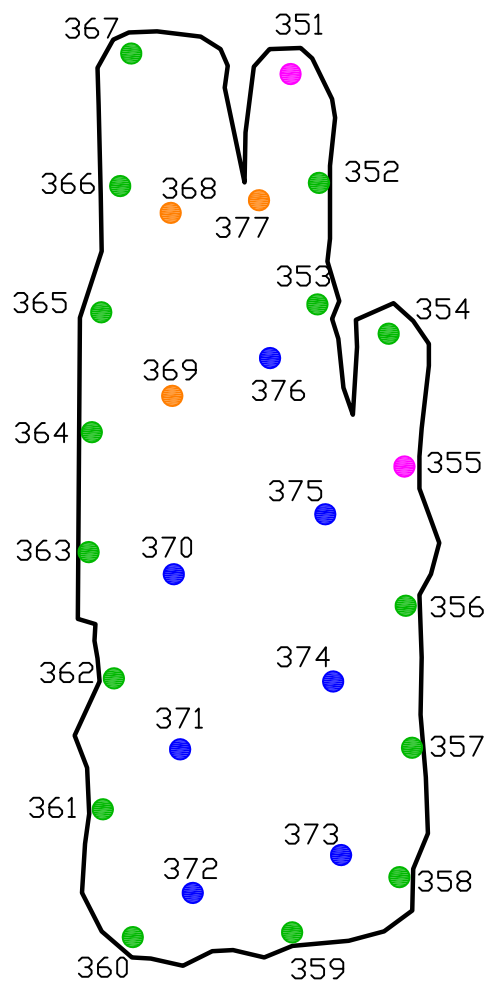


Phase 4 Site Plan

SGI environmental
THE SOURCE GROUP, INC.
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Figure
2

SRV01>Data\DFSP_Norwalk\Reports, Work Plans, Correspondence\Phase Conf Samp Reports\Phase 4\Figures\CAD\Fig_xx_C-CS-06-EX06-SP01.dwg.



LEGEND

- Bottom Confirmation Sampling Locations
- Top Confirmation Sampling Locations with Hand Augering
- Top Confirmation Sampling Locations
- Bottom Confirmation Sampling Locations that would be Used for Shallow Soil Backfill Only

NOTES

Sample Label 356 Represents Sample ID C00356 from C-CS-18

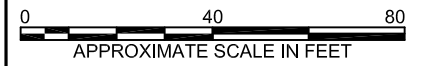
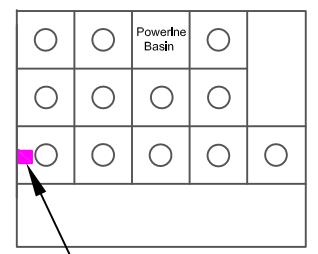
The Hand Augering Samples C00368, C00369 and C00377 were Collected at approximately 4.5 feet Deep

All Samples were Collected approximately 2 feet Deep into the Soil Pile.

Confirmation Samples were Taken Approximately Every 20 feet along the Edge of the Pile

The Volume of the Soil Pile is approximately 1,856 Cubic Yards

A Total of 27 Samples were Collected, 17 at Bottom and 10 at Top



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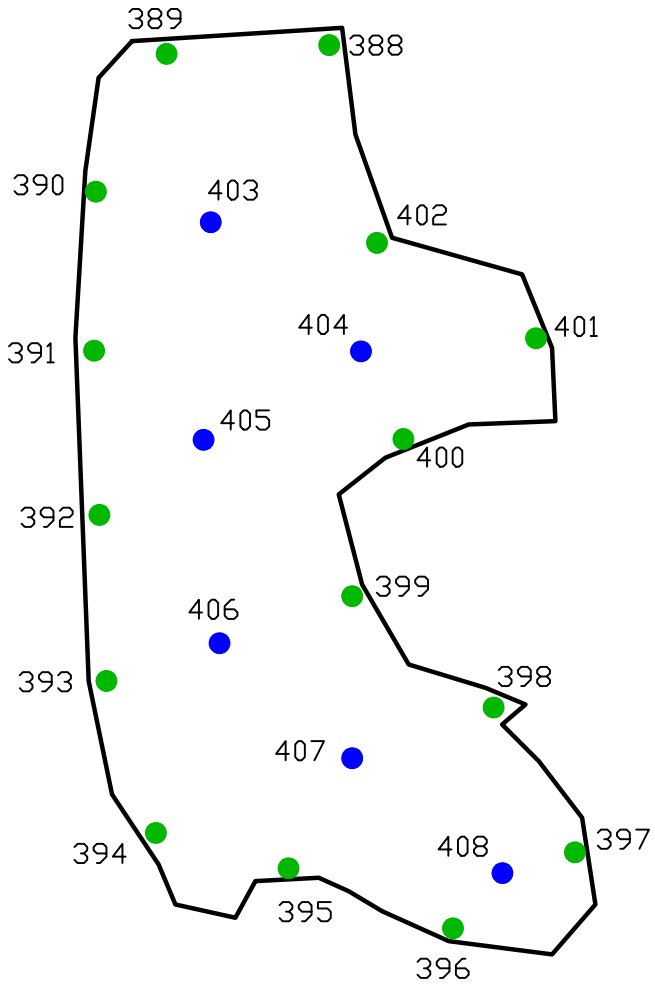
DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA 90650

PROJECT NO. 04-NDLA-007	DATE 09/29/2015	DR. BY: P. WU	APP. BY: P. PARMENTIER
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**LOCATIONS OF CONFIRMATION
SOIL SAMPLES
FOR CLEAN SOIL STOCKPILE
C-CS-06-EX06-SP01**

**FIGURE
3**

SRV01\Data\DFSP Norwalk\Reports, Work Plans, Correspondence\Reports\Phase Conf Samp REPORTS\Phase 4\Figures\CAD\Fig_xx_C-CS-08-EX13-SP01.dwg



LEGEND

- Bottom Confirmation Sampling Locations
- Top Confirmation Sampling Locations

NOTES

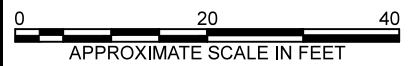
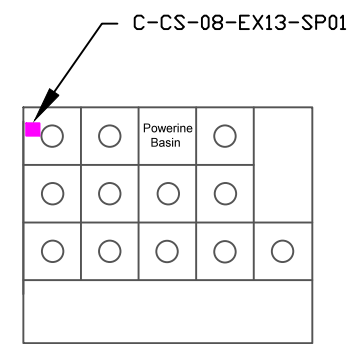
Sample Label 390 Represents Sample ID C00390 from C-CS-08

All Samples were Collected approximately 2 feet Deep into the Soil Pile.

Confirmation Samples were Taken Approximately Every 20 feet along the Edge of the Pile

The Volume of the Soil Pile is approximately 550 Cubic Yards

A Total of 21 Samples were Collected, 15 at Bottom and 6 at Top



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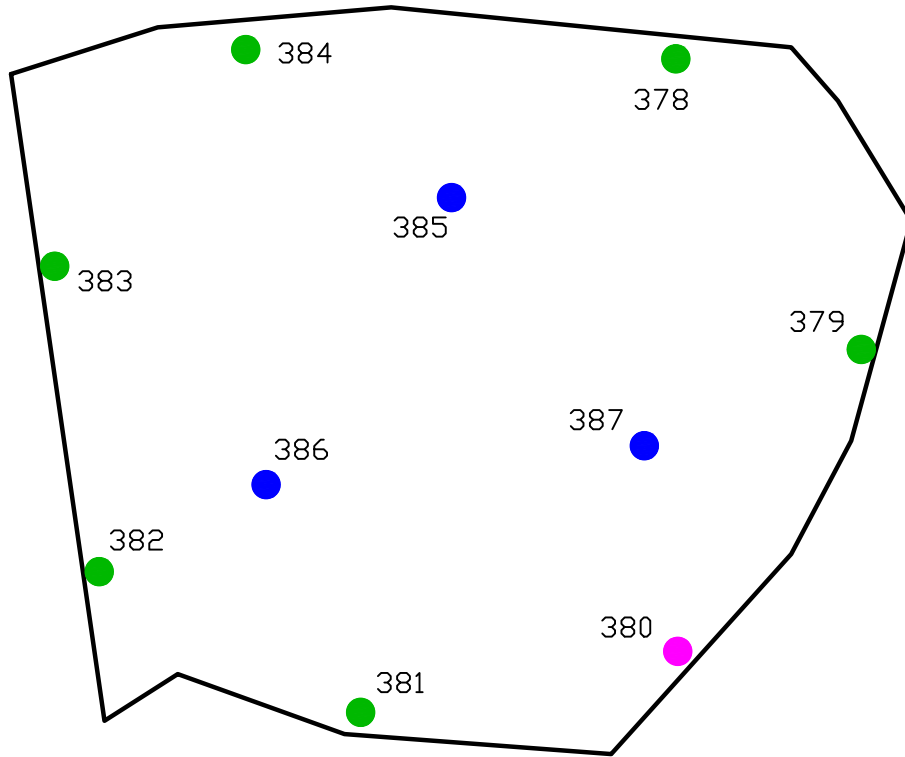
DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA 90650

PROJECT NO. 04-NDLA-007	DATE 10/05/2015	DR.BY: P. WU	APP. BY: P. PARMENTIER
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**LOCATIONS OF CONFIRMATION
SOIL SAMPLES
FOR CLEAN SOIL STOCKPILE
C-CS-08-EX13-SP01**

**FIGURE
4**

SRV01\Data\DFSP Norwalk\Reports, Work Plans, Correspondence\Reports\Phase Conf Samp Reports\Phase 4\Figures\CAD\Fig_xx_C-CS-17-EX15-SP01.dwg



LEGEND

- Bottom Confirmation Sampling Locations
- Top Confirmation Sampling Locations
- Bottom Confirmation Sampling Locations that would be Used for Shallow Soil Backfill Only

NOTES

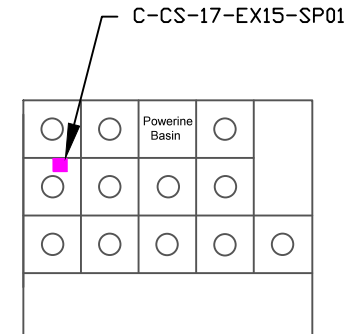
Sample Label 386 Represents Sample ID C00386 from C-CS-17

All Samples were Collected approximately 2 feet Deep into the Soil Pile.

Confirmation Samples were Taken Approximately Every 21 feet along the Edge of the Pile

The Volume of the Soil Pile is approximately 239 Cubic Yards

A Total of 10 Samples were Collected, 7 at Bottom and 3 at Top



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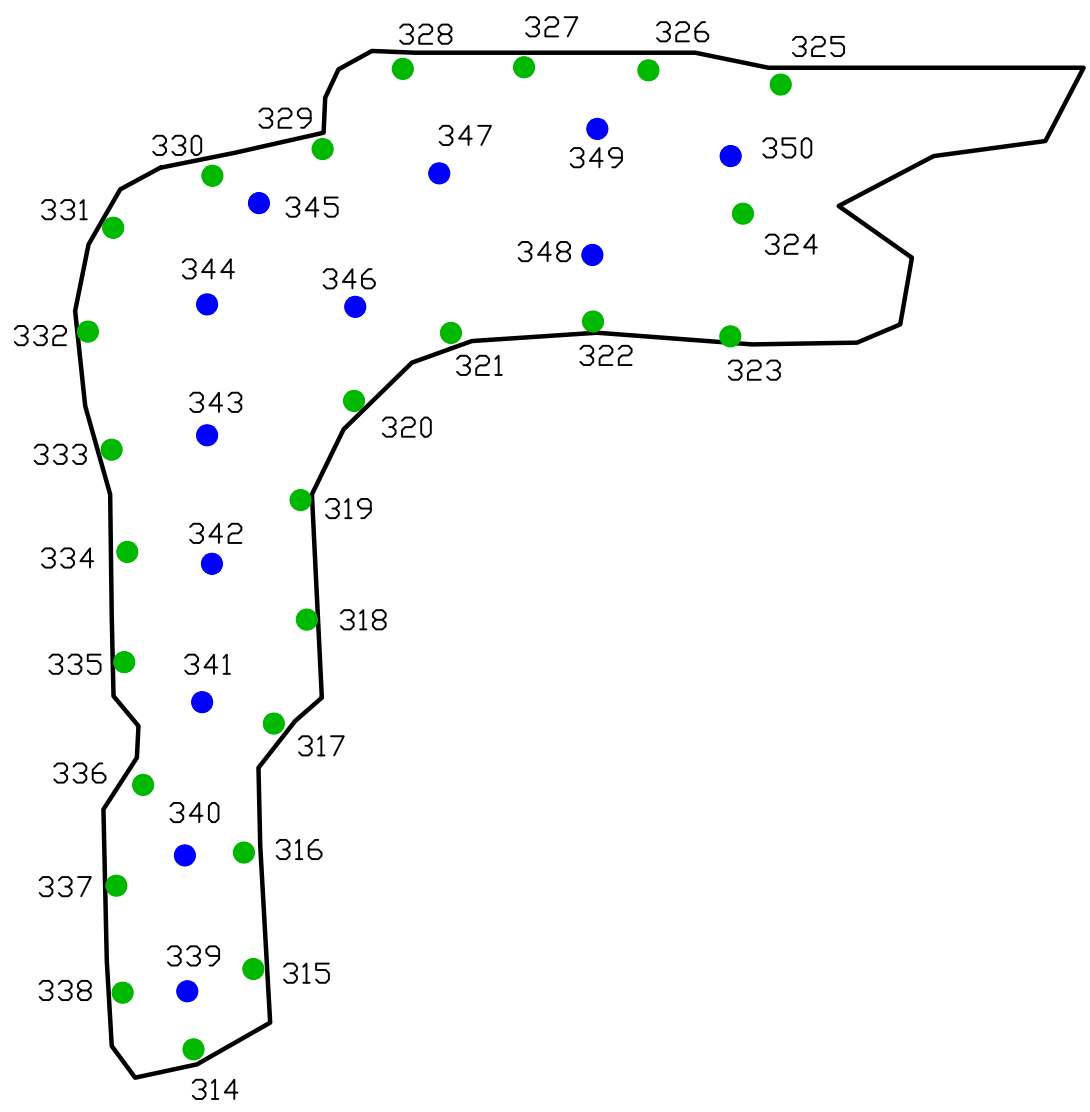
DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA 90650

PROJECT NO. 04-NDLA-007	DATE 10/05/2015	DR. BY: P. WU	APP. BY: P. PARMENTIER
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**LOCATIONS OF CONFIRMATION
SOIL SAMPLES
FOR CLEAN SOIL STOCKPILE
C-CS-17-EX15-SP01**

**FIGURE
5**

SRV01\Data\DFSP Norwalk\Reports, Correspondence\Reports\Phase Conf Samp Reports\Phase 4\Figures\CAD\Fig_xx_C-CS-18-EX09-SP01.dwg



LEGEND

- Bottom Confirmation Sampling Locations
- Top Confirmation Sampling Locations

NOTES

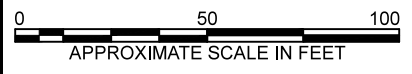
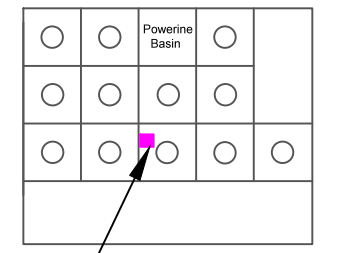
Sample Label 330 Represents Sample ID C00330 from C-CS-18

All Samples were Collected approximately 2 feet Deep into the Soil Pile.

Confirmation Samples were Taken Approximately Every 20 feet along the Edge of the Pile

The Volume of the Soil Pile is approximately 7,000 Cubic Yards and Soil Pile has an Average Height of 12 feet

A Total of 37 Samples were Collected, 25 at Bottom and 12 at Top. Bottom Samples were Collected approximately Every 30 feet and Top Samples were Collected approximately Every 34 feet



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PROJECT NO. 04-NDLA-007	DATE 10/05/2015	DR. BY: P. WU	APP. BY: P. PARMENTIER
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**LOCATIONS OF CONFIRMATION
SOIL SAMPLES
FOR CLEAN SOIL STOCKPILE
C-CS-18-EX09-SP01**

**FIGURE
6**

TABLES

TABLE 1

REVISED SOIL CLEANUP GOALS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

			Includes Stockpiles and Treated Soil
	Depth (feet) Below Ground Surface	0.5 - 5	>5
	Distance (feet) to Groundwater	>21	<21
TPH	Soil Cleanup TPH Goal (mg/kg)		
Carbon Range (C4-12)	500	100	
Carbon Range (C13-C22)	1,000	100	
Carbon Range (C23-C44)	10,000	1,000	
PETROLEUM VOCs	Soil Cleanup VOC Goal (mg/kg)		
Benzene (2012 approved goal)	0.013	0.011	
Ethylbenzene (2012 approved goal)	1.44	1.07	
Toluene (2012 approved goal)	0.444	0.356	
Xylenes (2012 approved goal)	3.77	2.76	
1,2,4 trimethylbenzene (2012 approved goal)	1.8	0.12	
1,3,5-Trimethylbenzene (2012 approved goal)	1.77	0.118	
Isopropylbenzene (2012 approved goal)	4.78	0.303	
Naphthalene (2012 approved goal)	0.231	0.012	
n-Butylbenzene (2012 approved goal)	3.4	0.179	
n-Propylbenzene (2012 approved goal)	1.87	0.114	
p-Isopropyltoluene (2012 approved goal)	2.42	0.154	
sec-Butylbenzene (2012 approved goal)	2.22	0.129	
Styrene (2012 approved goal)	0.399	0.03	
tert-Butylbenzene (2012 approved goal)	1.78	0.11	
PETROLEUM RELATED VOCs	Soil Cleanup VOC Goal (mg/kg)		
1,2-Dibromoethane (EDB; Fuel Additive; Common Reporting Limit Proposed)	0.005	0.005	
1,2-Dichloroethane (Fuel Additive; Common Reporting Limit Proposed)	0.005	0.005	
Diisopropyl Ether (DIPE; 2012 approved goal)	0.424	0.212	
Methyl-t-Butyl Ether (MTBE; Common Reporting Limit Proposed)	0.005	0.005	
tert-Butyl alcohol (TBA; Common Reporting Limit Proposed)	0.02	0.02	
TAME (tert-Amyl Methyl Ether; Not listed in 2012 -Common Reporting Limit Proposed)	0.005	0.005	
ETBE (Ethyl-tert-Butyl Ether; Not listed in 2012 -Common Reporting Limit Proposed)	0.005	0.005	
NON-PETROLEUM RELATED VOCs	Soil Cleanup VOC Goal (mg/kg)		
Acetone (2012 approved goal)	0.994	1.28	
2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), and Methylene Chloride	0.05	0.05	
1,2-Dibromo-3-chloropropane and Hexachlorobutadiene	0.01	0.01	
All Other VOCs: 2012 approved goals or Common Laboratory Reporting Limit	0.005	0.005	

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-A								
T00491	9/28/15	<0.50	44	72	48	120		A5331487
T00492	9/28/15	<0.50	10	22	18	40		A5331487
T00493	9/28/15	<0.50	<10	11	10	21		A5331487
T00494	9/28/15	<0.50	20	140	120	260		A5331487
T00495	9/28/15	<0.50	17	120	120	240		A5331487
T00496	9/28/15	<0.50	38	230	190	420		A5331487
T00497	9/28/15	<0.50	15	95	95	190		A5331487
T00498	9/28/15	<0.50	16	66	49	115		A5331487
T00499	9/28/15	<0.50	65	110	70	180		A5331487
T00500	9/28/15	<0.50	<10	44	43	87		A5331487
T00501	9/28/15	<0.50	47	250	230	480		A5331487
T00502	9/28/15	<0.50	15	97	110	207		A5331487
T00503	9/28/15	<0.50	<10	11	11	22		A5331487
T00504	9/28/15	<0.50	18	120	120	240		A5331487
T00505	9/28/15	<0.50	14	98	120	218		A5331487
T00506	9/28/15	<0.50	<10	11	14	25		A5331487
T00507	9/28/15	<0.50	23	110	120	230		A5331487
T00508	9/28/15	<0.50	16	130	140	270		A5331487
T00509	9/28/15	<0.50	12	110	130	240		A5331487
T00510	9/28/15	<0.50	<10	53	62	115		A5331487
T00511	9/28/15	<0.50	53	120	90	210		A5331487
T00512	9/28/15	<0.50	98	150	100	250		A5331487
T00513	9/28/15	<0.50	180	310	200	510	Shallow Backfill Only	A5331487
T00514	9/28/15	<0.50	82	280	190	470		A5331487
T00515	9/28/15	<0.50	160	820	480	1,300	Shallow Backfill Only	A5331487
T00516	9/28/15	<0.50	16	80	77	157		A5331487
T00517	9/28/15	<0.50	140	170	120	290	Shallow Backfill Only	A5331487
T00518	9/28/15	<0.50	58	290	260	550		A5331487
T00519	9/28/15	<0.50	29	140	150	290		A5331487
T00520	9/28/15	<0.50	340	380	230	610	Shallow Backfill Only	A5331487
T00521	9/28/15	<0.50	<10	26	29	55		A5331487
T00522	9/28/15	<0.50	49	260	220	480		A5331487
T00523	9/28/15	<0.50	11	26	17	43		A5331487
T00524	9/28/15	<0.50	11	55	60	115		A5331487
T00525	9/28/15	<0.50	<10	96	150	246		A5331487

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-B								
T00631	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00632	10/14/15	<0.50	<10	11	<10	11		A5331510
T00633	10/14/15	<0.50	<10	14	<10	14		A5331510
T00634	10/14/15	<0.50	11	21	<10	21		A5331510
T00635	10/14/15	<0.50	<10	16	<10	16		A5331510
T00636	10/14/15	<0.50	<10	18	<10	18		A5331510
T00637	10/14/15	<0.50	<10	15	<10	15		A5331510
T00638	10/14/15	<0.50	14	72	61	133		A5331510
T00639	10/14/15	<0.50	<10	11	<10	11		A5331510
T00640	10/14/15	<0.50	<10	13	<10	13		A5331510
T00641	10/14/15	0.50	12	22	14	36		A5331510
T00642	10/14/15	<0.50	<10	14	<10	14		A5331510
T00643	10/14/15	<0.50	<10	37	31	68		A5331510
T00644	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00645	10/14/15	<0.50	<10	19	<10	19		A5331510
T00646	10/14/15	<0.50	<10	16	11	27		A5331510
T00647	10/14/15	<0.50	<10	14	<10	14		A5331510
T00648	10/14/15	<0.50	12	26	12	38		A5331510
T00649	10/14/15	<0.50	<10	16	14	30		A5331510
T00650	10/14/15	<0.50	15	74	61	135		A5331510
T00651	10/14/15	<0.50	16	79	65	144		A5331510
T00652	10/14/15	<0.50	<10	46	44	90		A5331510
T00653	10/14/15	<0.50	<10	16	<10	16		A5331510
T00654	10/14/15	<0.50	10	32	<10	32		A5331510
T00655	10/14/15	<0.50	15	25	<10	25		A5331510
T00656	10/14/15	<0.50	<10	16	<10	16		A5331510
T00657	10/14/15	<0.50	<10	10	<10	10		A5331510
T00658	10/14/15	<0.50	<10	14	<10	14		A5331510
T00659	10/14/15	<0.50	<10	19	<10	19		A5331510
T00660	10/14/15	<0.50	<10	24	<10	24		A5331510
T00661	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00662	10/14/15	<0.50	<10	13	<10	13		A5331510
T00663	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00664	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00665	10/14/15	<0.50	<10	<10	<10	<10		A5331510

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-C								
T00666	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00667	10/15/15	1.7	<10	<10	<10	<10		A5331513
T00668	10/15/15	5.3	27	<10	<10	<10		A5331513
T00669	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00670	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00671	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00672	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00673	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00674	10/15/15	0.98	44	<10	<10	<10	Retreatment	A5331513
T00675	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00676	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00677	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00678	10/15/15	65	160	<10	<10	<10	Retreatment	A5331513
T00679	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00680	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00681	10/15/15	3.4	<10	<10	<10	<10		A5331513
T00682	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00683	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00684	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00685	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00686	10/15/15	1.5	<10	<10	<10	<10		A5331513
T00687	10/15/15	4.3	16	<10	<10	<10		A5331513
T00688	10/15/15	0.89	<10	<10	<10	<10		A5331513
T00689	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00690	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00691	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00692	10/15/15	1.1	16	<10	<10	<10		A5331513
T00693	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00694	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00695	10/15/15	210	31	<10	<10	<10	Shallow Backfill Only	A5331513
T00696	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00697	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00698	10/15/15	<0.50	18	<10	<10	<10	Retreatment	A5331513
T00699	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00700	10/15/15	1.2	77	<10	<10	<10		A5331513

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-E								
T00701	10/15/15	0.78	14	15	<10	15		A5331513
T00702	10/15/15	<0.50	19	13	<10	13		A5331513
T00703	10/15/15	<0.50	14	130	130	260		A5331513
T00704	10/15/15	<0.50	10	85	91	176		A5331513
T00705	10/15/15	<0.50	24	170	160	330		A5331513
T00706	10/15/15	<0.50	13	97	83	180		A5331513
T00707	10/15/15	<0.50	23	140	130	270		A5331513
T00708	10/15/15	<0.50	38	210	170	380		A5331513
T00709	10/15/15	<0.50	<10	77	93	170		A5331513
T00710	10/15/15	<0.50	18	120	120	240		A5331513
T00711	10/15/15	<0.50	15	110	110	220		A5331513
T00712	10/15/15	<0.50	18	120	120	240		A5331513
T00713	10/15/15	<0.50	<10	54	60	114		A5331513
T00714	10/15/15	<0.50	22	150	160	310		A5331513
T00715	10/15/15	<0.50	<50	270	240	510		A5331513
T00716	10/15/15	<0.50	40	210	170	380		A5331513
T00717	10/15/15	<0.50	14	99	100	199		A5331513
T00718	10/15/15	<0.50	170	610	390	1,000	Shallow Backfill Only	A5331513
T00719	10/15/15	<0.50	<50	200	250	450		A5331513
T00720	10/15/15	<0.50	62	180	210	390		A5331513
T00721	10/15/15	<0.50	<10	48	48	96		A5331513
T00722	10/15/15	4.7	57	160	210	370		A5331513
T00723	10/15/15	<0.50	24	38	20	58		A5331513
T00724	10/15/15	<0.50	<50	160	170	330		A5331513
T00725	10/15/15	<0.50	13	100	110	210		A5331513
T00726	10/15/15	<0.50	<10	57	43	100		A5331513
T00727	10/15/15	<0.50	<10	59	43	102		A5331513
T00728	10/15/15	<0.50	13	110	85	195		A5331513
T00729	10/15/15	<0.50	<10	69	60	129		A5331513
T00730	10/15/15	<0.50	<10	<10	<10	<10		A5331513
T00731	10/15/15	<0.50	<10	61	49	110		A5331513
T00732	10/15/15	<0.50	<10	49	52	101		A5331513
T00733	10/15/15	0.73	39	<10	<10	<10		A5331513
T00734	10/15/15	<0.50	18	87	49	136		A5331513
T00735	10/15/15	1.8	13	<10	<10	<10		A5331513

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-F								
T00526	9/30/15	<0.50	22	130	61	191		A5331490
T00527	9/30/15	<0.50	26	190	100	290		A5331490
T00528	9/30/15	<0.50	300	510	130	640	Shallow Backfill Only	A5331490
T00529	9/30/15	<0.50	360	580	170	750	Shallow Backfill Only	A5331490
T00530	9/30/15	<0.50	500	720	220	940	Shallow Backfill Only	A5331490
T00531	9/30/15	<0.50	640	740	230	970	Shallow Backfill Only	A5331490
T00532	9/30/15	<0.50	190	400	100	500	Shallow Backfill Only	A5331490
T00533	9/30/15	<0.50	160	320	87	407	Shallow Backfill Only	A5331490
T00534	9/30/15	<0.50	32	150	83	233		A5331490
T00535	9/30/15	<0.50	120	280	78	358	Shallow Backfill Only	A5331490
T00536	9/30/15	<0.50	670	870	270	1,140	Shallow Backfill Only	A5331490
T00537	9/30/15	<0.50	500	670	180	850	Shallow Backfill Only	A5331490
T00538	9/30/15	<0.50	18	110	59	169		A5331490
T00539	9/30/15	<0.50	500	700	220	920	Shallow Backfill Only	A5331490
T00540	9/30/15	<0.50	640	790	240	1,030	Shallow Backfill Only	A5331490
T00541	9/30/15	<0.50	85	170	49	219		A5331490
T00542	9/30/15	<0.50	420	870	490	1,360	Shallow Backfill Only	A5331490
T00543	9/30/15	<0.50	950	1,400	820	2,220	Shallow Backfill Only	A5331490
T00544	9/30/15	<0.50	780	1,400	860	2,260	Shallow Backfill Only	A5331490
T00545	9/30/15	<0.50	510	1,000	560	1,560	Shallow Backfill Only	A5331490
T00546	9/30/15	<0.50	150	420	330	750	Shallow Backfill Only	A5331490
T00547	9/30/15	<0.50	37	190	170	360		A5331490
T00548	9/30/15	<0.50	34	160	140	300		A5331490
T00549	9/30/15	<0.50	700	1,300	780	2,080	Shallow Backfill Only	A5331490
T00550	9/30/15	13	720	1,200	670	1,870	Shallow Backfill Only	A5331490
T00551	9/30/15	<0.50	690	1,400	910	2,310	Shallow Backfill Only	A5331490
T00552	9/30/15	<0.50	34	170	150	320		A5331490
T00553	9/30/15	<0.50	600	1,100	680	1,780	Shallow Backfill Only	A5331490
T00554	9/30/15	<0.50	500	910	680	1,590	Shallow Backfill Only	A5331490
T00555	9/30/15	<0.50	25	140	140	280		A5331490
T00556	9/30/15	<0.50	22	130	140	270		A5331490
T00557	9/30/15	<0.50	480	930	670	1,600	Shallow Backfill Only	A5331490
T00558	9/30/15	<0.50	420	840	450	1,290	Shallow Backfill Only	A5331490
T00559	9/30/15	<0.50	56	150	110	260		A5331490
T00560	9/30/15	<0.50	150	340	230	570	Shallow Backfill Only	A5331490

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80004-G								
T00561	9/30/15	<0.50	57	140	100	240		A5331490
T00562	9/30/15	<0.50	96	260	95	355		A5331490
T00563	9/30/15	<0.50	36	50	18	68		A5331490
T00564	9/30/15	<0.50	<10	21	<10	21		A5331490
T00565	9/30/15	<0.50	<10	11	<10	11		A5331490
T00566	9/30/15	<0.50	<10	19	<10	19		A5331490
T00567	9/30/15	<0.50	<10	18	<10	18		A5331490
T00568	9/30/15	<0.50	59	200	67	267		A5331490
T00569	9/30/15	<0.50	33	22	<10	22		A5331490
T00570	9/30/15	<0.50	44	70	<10	70		A5331490
T00571	9/30/15	<0.50	<10	23	<10	23		A5331490
T00572	9/30/15	<0.50	<10	26	<10	26		A5331490
T00573	9/30/15	<0.50	65	36	<10	36		A5331490
T00574	9/30/15	<0.50	<10	22	<10	22		A5331490
T00575	9/30/15	<0.50	<10	14	<10	14		A5331490
T00576	9/30/15	<0.50	140	240	66	306	Shallow Backfill Only	A5331490
T00577	9/30/15	<0.50	<10	39	26	65		A5331490
T00578	9/30/15	<0.50	<10	22	<10	22		A5331490
T00579	9/30/15	<0.50	<10	37	22	59		A5331490
T00580	9/30/15	<0.50	<10	75	38	113		A5331490
T00581	9/30/15	<0.50	26	46	13	59		A5331490
T00582	9/30/15	<0.50	56	140	53	193		A5331491
T00583	9/30/15	<0.50	77	160	44	204		A5331491
T00584	9/30/15	<0.50	26	84	31	115		A5331491
T00585	9/30/15	<0.50	<10	26	10	36		A5331491
T00586	9/30/15	<0.50	31	41	12	53		A5331491
T00587	9/30/15	<0.50	35	48	20	68		A5331491
T00588	9/30/15	<0.50	<10	30	16	46		A5331491
T00589	9/30/15	<0.50	23	83	30	113		A5331491
T00590	9/30/15	<0.50	130	290	87	377	Shallow Backfill Only	A5331491
T00591	9/30/15	<0.50	13	88	51	139		A5331491
T00592	9/30/15	<0.50	19	130	65	195		A5331491
T00593	9/30/15	<0.50	130	220	71	291	Shallow Backfill Only	A5331491
T00594	9/30/15	<0.50	500	570	160	730	Shallow Backfill Only	A5331491
T00595	9/30/15	<0.50	<10	<10	<10	<10		A5331491

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO)	Carbon Range C13-C22	Carbon Range C23-C32	Carbon Range C33-C44	Carbon Range C23-C44	Comment	Lab Report Number
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
80006-F								
T00596	10/14/15	<0.50	<10	14	<10	14		A5331510
T00597	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00598	10/14/15	<0.50	<10	29	<10	29		A5331510
T00599	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00600	10/14/15	<0.50	17	30	<10	30		A5331510
T00601	10/14/15	<0.50	24	38	<10	38		A5331510
T00602	10/14/15	<0.50	<10	22	<10	22		A5331510
T00603	10/14/15	<0.50	16	56	<10	56		A5331510
T00604	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00605	10/14/15	<0.50	12	43	<10	43		A5331510
T00606	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00607	10/14/15	<0.50	<10	18	<10	18		A5331510
T00608	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00609	10/14/15	<0.50	<10	22	<10	22		A5331510
T00610	10/14/15	<0.50	<10	45	<10	45		A5331510
T00611	10/14/15	<0.50	26	98	27	125		A5331510
T00612	10/14/15	<0.50	83	260	80	340		A5331510
T00613	10/14/15	<0.50	48	71	42	113		A5331510
T00614	10/14/15	<0.50	19	33	22	55		A5331510
T00615	10/14/15	<0.50	<10	20	12	32		A5331510
T00616	10/14/15	<0.50	11	42	28	70		A5331510
T00617	10/14/15	<0.50	<10	<10	<10	<10		A5331510
T00618	10/14/15	<0.50	<10	11	<10	11		A5331510
T00619	10/14/15	<0.50	28	86	56	142		A5331510
T00620	10/14/15	<0.50	20	31	16	47		A5331510
T00621	10/14/15	<0.50	50	140	83	223		A5331510
T00622	10/14/15	<0.50	<10	19	22	41		A5331510
T00623	10/14/15	<0.50	26	99	67	166		A5331510
T00624	10/14/15	<0.50	34	78	46	124		A5331510
T00625	10/14/15	<0.50	<10	16	14	30		A5331510
T00626	10/14/15	<0.50	46	89	54	143		A5331510
T00627	10/14/15	<0.50	<10	17	16	33		A5331510
T00628	10/14/15	<0.50	<10	11	12	23		A5331510

TABLE 2
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)		500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)		100	100	---	---	1,000		
T00629	10/14/15	<0.50	25	120	84	204		A5331510
T00630	10/14/15	<0.50	63	190	110	300		A5331510

Notes: All concentrations are presented in milligrams per kilogram (mg/kg).
 Detections are shown in **bold**.
 ft bgs = feet below ground surface.
 C13-C22 = carbon chains ranging from C13 through C22.
 TPH = total petroleum hydrocarbons.
 <0.50 = not detected at or above the indicated laboratory reporting limit.
 --- = not applicable.
 Hydrocarbon Chain Identification by EPA Method 8015B(M).
 GRO by EPA Method 8260B/5035.

TABLE 3
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Acetone	tert-Amyl Methyl Ether (TAME)	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	tert-Butyl alcohol (TBA)	sec-Butylbenzene	tert-Butylbenzene	n-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)
		(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)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
T00627	10/14/15	0.059	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.072	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
T00628	10/14/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.073	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
T00629	10/14/15	0.13	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.074	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
T00630	10/14/15	0.088	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.075	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050

TABLE 3
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (R12)	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	trans-1,2-Dichloroethylene	cis-1,2-Dichloroethylene	1,1-Dichloroethylene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropylene	trans-1,3-Dichloropropylene	cis-1,3-Dichloropropylene	Diisopropyl ether (DIPE)	Ethylbenzene	Ethyl-tert-Butyl Ether (ETBE)	Hexachlorobutadiene	2-Hexanone (MBK)	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)
		(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)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
T00627	10/14/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
T00628	10/14/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
T00629	10/14/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
T00630	10/14/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050

TABLE 3
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Date Sampled	Methylene Chloride (mg/kg)	Methyl-tert-Butyl Ether (MTBE) (mg/kg)	Naphthalene (mg/kg)	n-Propylbenzene (mg/kg)	Styrene (mg/kg)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	Tetrachloroethylene (PCE) (mg/kg)	Toluene (mg/kg)	1,1,2-Trichloro-1,2,2-trifluoroethane (R113) (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	Trichloroethylene (TCE) (mg/kg)	Trichlorofluoromethane (R11) (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	Vinyl chloride (mg/kg)	o-Xylene (mg/kg)	m,p-Xylenes (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Lab Report Number
T00627	10/14/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0077	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0045	<0.50	A5331510
T00628	10/14/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0093	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0047	<0.50	A5331510
T00629	10/14/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0078	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0031	<0.50	A5331510
T00630	10/14/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0061	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0028	<0.50	A5331510

Notes: All concentrations are presented in milligrams per kilogram (mg/kg).
 Detections are shown in **bold**.
 ft bgs = feet below ground surface.
 <0.050 = not detected at or above the indicated laboratory reporting limit.
 The cleanup goal (0.5 - 5 feet below ground surface) for Xylenes (o-Xylene + m,p-Xylenes) = 3.77 mg/kg.
 The cleanup goal (> 5 feet below ground surface) for Xylenes (o-Xylene + m,p-Xylenes) = 2.76 mg/kg.
 Volatile Organic Compounds Identification by EPA Method 8260B/5035.
 GRO by EPA Method 8260B/5035.

TABLE 4
SUMMARY OF TREATED SOIL STOCKPILE (BASINS 80004 AND 80006)
 DFSP Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

Stockpile Number	Stockpile Volume (yds ³)	Confirmation Sampling Status	Unrestricted Soil Reuse	Shallow Soil Reuse	Retreatment	Comments
80004-A	858	35 samples 9/28/2015: 31 sections under deep cleanup goals; 4 sections under shallow cleanup goals	764	94	0	4 sections selectively separated for shallow backfilling
80004-B	794	35 Samples 10/14/2015: All sections below deep cleanup goals	794	0	0	
80004-C	824	35 Samples 10/15/2015:	725	25	74	1 section selectively separated for shallow backfilling; 3 sections selectively separated for retreatment
80004-E	903	35 samples 10/15/2015: 34 sections under deep cleanup goals; 1 section under shallow cleanup goals	876	27	0	1 section selectively separated for shallow backfilling
80004-F	862	35 samples 9/30/2015: 10 sections under deep cleanup goals; 25 sections under shallow cleanup goals	250	612	0	25 sections selectively separated for shallow backfilling
80004-G	835	35 Samples 9/30/2015: 31 sections under deep cleanup goals; 4 sections under shallow cleanup goals	743	92	0	4 sections selectively separated for shallow backfilling
80006-F	834	35 Samples 10/14/2015: All sections below deep cleanup goals	834	0	0	
Total Volume	5,910		4,986	850		

Notes:

yds³ = cubic yards

TABLE 5
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Depth (ft bgs)	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)			500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)			100	100	---	---	1,000		
C-CS-06-EX06-SP01									
C00351	---	9/21/15	<0.50	150	210	83	293	Shallow used only	A5331478
C00352	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00353	---	9/21/15	<0.50	<10	59	40	99		A5331478
C00354	---	9/21/15	<0.50	19	130	170	300		A5331478
C00355	---	9/21/15	<0.50	270	360	160	520	Shallow used only	A5331478
C00356	---	9/21/15	<0.50	<10	12	14	26		A5331478
C00357	---	9/21/15	<0.50	<10	18	15	33		A5331478
C00358	---	9/21/15	<0.50	<10	88	160	248		A5331478
C00359	---	9/21/15	<0.50	<10	34	37	71		A5331478
C00360	---	9/21/15	<0.50	17	120	160	280		A5331478
C00361	---	9/21/15	<0.50	<10	12	15	27		A5331478
C00362	---	9/21/15	<0.50	<10	79	120	199		A5331478
C00363	---	9/21/15	<0.50	11	49	49	98		A5331478
C00364	---	9/21/15	<0.50	70	230	270	500		A5331478
C00365	---	9/21/15	<0.50	<10	41	89	130		A5331478
C00366	---	9/21/15	<0.50	<10	24	47	71		A5331478
C00367	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00368-4.5	---	9/21/15	<0.50	<10	17	38	55		A5331478
C00369-4.5	---	9/21/15	<0.50	43	250	290	540		A5331478
C00370	---	9/21/15	<0.50	<10	<10	14	14		A5331478
C00371	---	9/21/15	<0.50	25	130	150	280		A5331478
C00372	---	9/21/15	<0.50	<10	48	92	140		A5331478
C00373	---	9/21/15	<0.50	<10	25	40	65		A5331478
C00374	---	9/21/15	<0.50	13	120	78	198		A5331478
C00375	---	9/21/15	<0.50	<10	37	26	63		A5331478
C00376	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00377-4.5	---	9/21/15	<0.50	25	130	66	196		A5331478
C-CS-08-EX13-SP01									
C00388	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00389	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00390	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483

TABLE 5
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Depth (ft bgs)	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)			500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)			100	100	---	---	1,000		
C00391	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00392	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00393	---	9/23/15	<0.50	<10	33	47	80		A5331483
C00394	---	9/23/15	<0.50	<10	53	82	135		A5331483
C00395	---	9/23/15	<0.50	19	58	79	137		A5331483
C00396	---	9/23/15	<0.50	<10	47	57	104		A5331483
C00397	---	9/23/15	<0.50	<50	86	140	226		A5331483
C00398	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00399	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00400	---	9/23/15	<0.50	83	220	220	440		A5331483
C00401	---	9/23/15	<0.50	26	150	240	390		A5331483
C00402	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00403	---	9/23/15	<0.50	<10	<10	16	16		A5331483
C00404	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00405	---	9/23/15	<0.50	<10	<10	14	14		A5331483
C00406	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C00407	---	9/23/15	<0.50	<10	29	39	68		A5331483
C00408	---	9/23/15	<0.50	<10	<10	<10	<10		A5331483
C-CS-17-EX15-SP01									
C00378	---	9/22/15	<0.50	<10	68	68	136		A5331482
C00379	---	9/22/15	<0.50	<10	24	31	55		A5331482
C00380	---	9/22/15	<0.50	210	1000	610	1,820	Shallow used only	A5331482
C00381	---	9/22/15	<0.50	<10	22	27	49		A5331482
C00382	---	9/22/15	<0.50	<10	<10	<10	<31		A5331482
C00383	---	9/22/15	<0.50	<10	12	14	26		A5331482
C00384	---	9/22/15	<0.50	17	140	140	297		A5331482
C00385	---	9/22/15	<0.50	23	190	170	383		A5331482
C00386	---	9/22/15	<0.50	<10	<10	<10	<31		A5331482
C-CS-18-EX09-SP01									
C00314	---	9/21/15	<0.50	<10	11	13	24		A5331478
C00315	---	9/21/15	<0.50	<10	47	63	110		A5331478
C00316	---	9/21/15	<0.50	<10	80	120	200		A5331478

TABLE 5
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Depth (ft bgs)	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)			500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)			100	100	---	---	1,000		
C00317	---	9/21/15	<0.50	19	160	170	330		A5331478
C00318	---	9/21/15	<0.50	<10	<10	14	14		A5331478
C00319	---	9/21/15	<0.50	99	300	280	580		A5331478
C00320	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00321	---	9/21/15	<0.50	<10	20	37	57		A5331478
C00322	---	9/21/15	<0.50	<10	50	76	126		A5331478
C00323	---	9/21/15	<0.50	60	320	300	620		A5331478
C00324	---	9/21/15	<0.50	<10	24	37	61		A5331478
C00325	---	9/21/15	<0.50	<10	<10	12	12		A5331478
C00326	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00327	---	9/21/15	<0.50	<10	31	39	70		A5331478
C00328	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00329	---	9/21/15	<0.50	<10	11	19	30		A5331478
C00330	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00331	---	9/21/15	<0.50	<10	<10	14	14		A5331478
C00332	---	9/21/15	<0.50	<10	20	25	45		A5331478
C00333	---	9/21/15	<0.50	<10	17	31	48		A5331478
C00334	---	9/21/15	<0.50	79	210	98	308		A5331478
C00335	---	9/21/15	<0.50	13	65	58	123		A5331478
C00336	---	9/21/15	<0.50	24	110	79	189		A5331478
C00337	---	9/21/15	<0.50	<10	30	22	52		A5331478
C00338	---	9/21/15	<0.50	30	130	92	222		A5331478
C00339	---	9/21/15	<0.50	37	160	110	270		A5331478
C00340	---	9/21/15	<0.50	73	160	100	260		A5331478
C00341	---	9/21/15	<0.50	12	65	51	116		A5331478
C00342	---	9/21/15	<0.50	11	59	46	105		A5331478
C00343	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00344	---	9/21/15	<0.50	<10	46	34	80		A5331478
C00345	---	9/21/15	<0.50	11	71	35	106		A5331478
C00346	---	9/21/15	<0.50	<10	20	21	41		A5331478
C00347	---	9/21/15	<0.50	<10	24	22	46		A5331478
C00348	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478

TABLE 5
CONFIRMATION SAMPLE ANALYTICAL RESULTS-TOTAL PETROLEUM HYDROCARBONS
 Defense Fuel Support Point Norwalk
 15306 Norwalk Boulevard, Norwalk, California

Sample ID	Depth (ft bgs)	Date Sampled	Gasoline Range Organics (GRO) (mg/kg)	Carbon Range C13-C22 (mg/kg)	Carbon Range C23-C32 (mg/kg)	Carbon Range C33-C44 (mg/kg)	Carbon Range C23-C44 (mg/kg)	Comment	Lab Report Number
RWQCB Cleanup Goal (0.5-5 ft below ground surface)			500	1,000	---	---	10,000		
RWQCB Cleanup Goal (> 5 ft below ground surface)			100	100	---	---	1,000		
C00349	---	9/21/15	<0.50	<10	<10	<10	<10		A5331478
C00350	---	9/21/15	<0.50	<10	35	24	59		A5331478

Notes: All concentrations are presented in milligrams per kilogram (mg/kg).
 Detections are shown in **bold**.
 ft bgs = feet below ground surface.
 C13-C22 = carbon chains ranging from C13 through C22.
 TPH = total petroleum hydrocarbons.
 <0.50 = not detected at or above the indicated laboratory reporting limit.
 --- = not applicable.
 Hydrocarbon Chain Identification by EPA Method 8015B(M).
 GRO by EPA Method 8260B/5035.

TABLE 6
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Acetone (mg/kg)	tert-Amyl Methyl Ether (TAME) (mg/kg)	Benzene (mg/kg)	Bromobenzene (mg/kg)	Bromochloromethane (mg/kg)	Bromodichloromethane (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)	2-Butanone (MEK) (mg/kg)	tert-Butyl alcohol (TBA) (mg/kg)	sec-Butylbenzene (mg/kg)	tert-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)	Carbon Disulfide (mg/kg)	Carbon Tetrachloride (mg/kg)	Chlorobenzene (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	2-Chlorotoluene (mg/kg)	4-Chlorotoluene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	Dibromochloromethane (mg/kg)	1,2-Dibromoethane (EDB) (mg/kg)
C00343	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00344	---	9/21/15	0.057	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00345	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00346	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00347	---	9/21/15	0.052	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00348	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00349	---	9/21/15	0.057	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050
C00350	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050

TABLE 6
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Dibromomethane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	Dichlorodifluoromethane (R12) (mg/kg)	1,1-Dichloroethane (mg/kg)	1,2-Dichloroethane (EDC) (mg/kg)	trans-1,2-Dichloroethylene (mg/kg)	cis-1,2-Dichloroethylene (mg/kg)	1,1-Dichloroethylene (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3-Dichloropropane (mg/kg)	2,2-Dichloropropane (mg/kg)	1,1-Dichloropropylene (mg/kg)	trans-1,3-Dichloropropylene (mg/kg)	cis-1,3-Dichloropropylene (mg/kg)	Diisopropyl ether (DIPE) (mg/kg)	Ethylbenzene (mg/kg)	Ethyl-tert-Butyl Ether (ETBE) (mg/kg)	Hexachlorobutadiene (mg/kg)	2-Hexanone (MBK) (mg/kg)	Isopropylbenzene (mg/kg)	4-Isopropyltoluene (mg/kg)	4-Methyl-2-pentanone (MIBK) (mg/kg)
C00343	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00344	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00345	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00346	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00347	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00348	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00349	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050
C00350	---	9/21/15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.010	<0.050	<0.0050	<0.0050	<0.050

TABLE 6
CONFIRMATION SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Defense Fuel Support Point Norwalk
15306 Norwalk Boulevard, Norwalk, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Methylene Chloride (mg/kg)	Methyl-tert-Butyl Ether (MTBE) (mg/kg)	Naphthalene (mg/kg)	n-Propylbenzene (mg/kg)	Styrene (mg/kg)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	Tetrachloroethylene (PCE) (mg/kg)	Toluene (mg/kg)	1,1,2-Trichloro-1,2,2-trifluoroethane (R113) (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	Trichloroethylene (TCE) (mg/kg)	Trichlorofluoromethane (R11) (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	Vinyl chloride (mg/kg)	o-Xylene (mg/kg)	m,p-Xylenes (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Lab Report Number
C00343	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0024	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0023	<0.50	A5331478
C00344	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0027	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0033	<0.50	A5331478
C00345	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0028	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0026	<0.50	A5331478
C00346	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	<0.50	A5331478
C00347	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0020	<0.50	A5331478
C00348	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	0.0021	<0.50	A5331478
C00349	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	<0.50	A5331478
C00350	---	9/21/15	<0.050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	<0.50	A5331478

Notes: All concentrations are presented in milligrams per kilogram (mg/kg).
Detections are shown in **bold**.
ft bgs = feet below ground surface.
<0.050 = not detected at or above the indicated laboratory reporting limit.
The cleanup goal (0.5 - 5 feet below ground surface) for Xylenes (o-Xylene + m,p-Xylenes) = 3.77 mg/kg.
The cleanup goal (> 5 feet below ground surface) for Xylenes (o-Xylene + m,p-Xylenes) = 2.76 mg/kg.
Volatile Organic Compounds Identification by EPA Method 8260B/5035.
GRO by EPA Method 8260B/5035.

TABLE 7
SITE-WIDE SUMMARY OF CLEAN SOIL STOCKPILES
 DFSP Norwalk
 15306 Norwalk Boulevard, Norwalk, California 90650

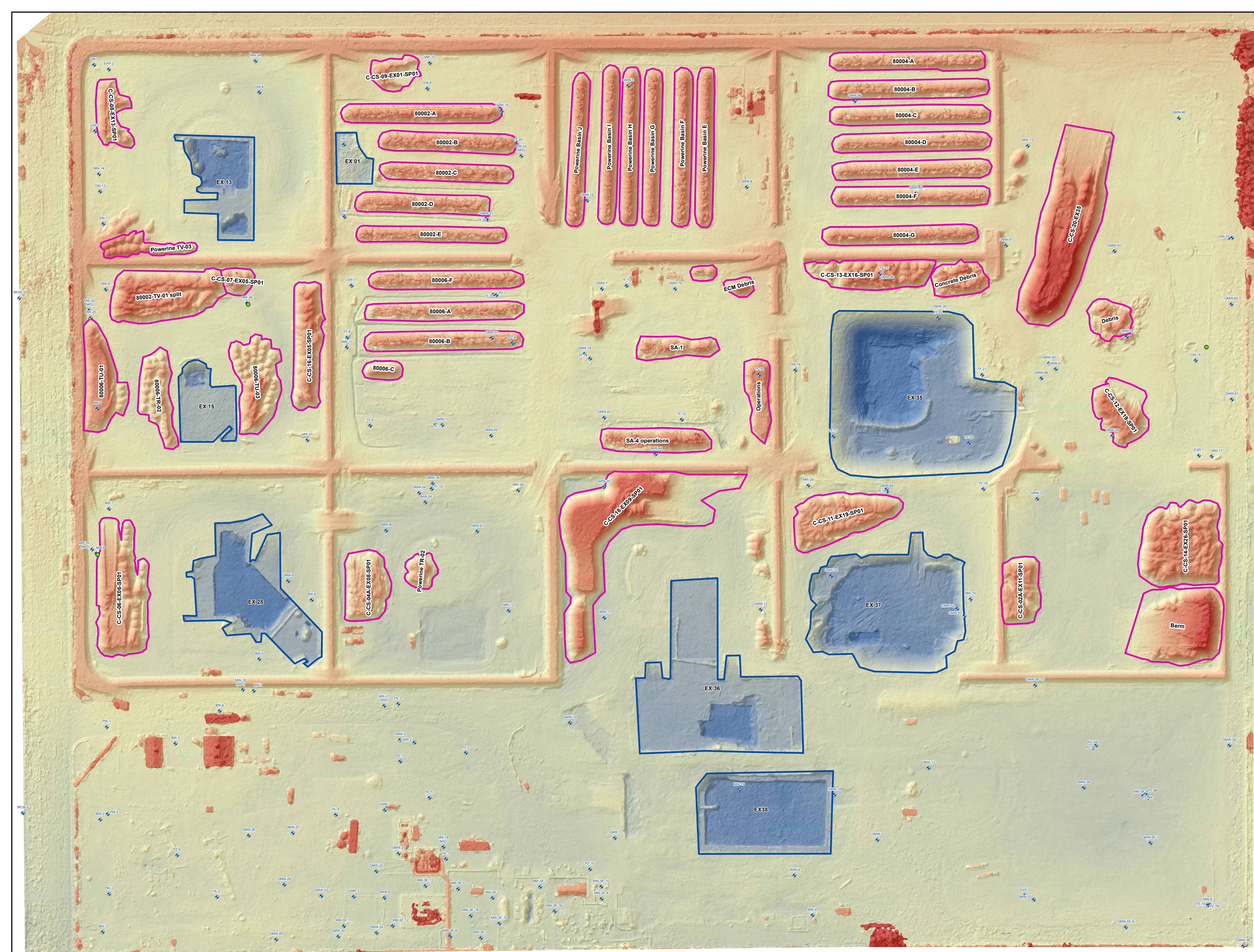
Stockpile Number	Initial Volume (yds ³)	Number of Confirmation Samples	Backfill Status
Phase 4			
C-CS-06-EX06-SP01	2,033	27	Backfill approval pending
C-CS-08-EX13-SP01	670	21	Backfill approval pending
C-CS-17-EX15-SP01	116	10	Backfill approval pending
C-CS-18-EX09-SP01	7,991	37	Backfill approval pending
Phase 2			
C-CS-11-EX19-SP01	1,850	31	1,850 yds ³ approved for backfilling at any depth
Phase 1			
C-CS-01-EX14-SP01	933	39	933 yds ³ approved for backfilling at any depth
C-CS-02A-EX11-SP01	900	39	900 yds ³ approved for backfilling at any depth
C-CS-10-EX05-SP01	600	35	600 yds ³ approved for backfilling at any depth
C-CS-12-EX19-SP01	4,550	46	4,550 yds ³ approved for backfilling at any depth
C-CS-14-EX26-SP01	2,460	44	2,460 yds ³ approved for backfilling at any depth
Total	22,103	329	

Notes:

yds³ = cubic yards

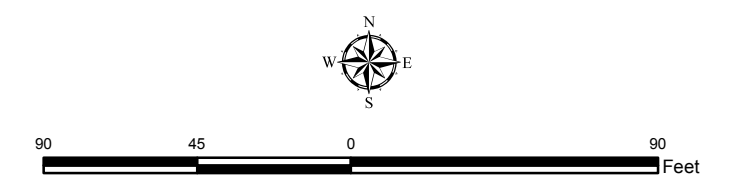
APPENDICES

APPENDIX C
SURVEY DOCUMENTATION



Legend

- + DFSP_Nrwk_GWM_Wells
- Excavations
- Stock_pile



**STOCKPILE
LOCATION MAP
(9/25/2015)**

DFSP-Norwalk
Norwalk, Ca

Date: 10/4/2015	Project #: 2015.150	Plate
Project Name: DFSP-Norwalk		1