



Appendix C

Evaluation of the TPH Profile in Shallow Soil and Additional Soil Sampling



March 7, 2008

Project No. 1200.002

Mr. Josh Fridell
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**Additional Soil Sampling and
Evaluation of the TPH Profile in Shallow Soil**
Former Unocal Avila Tank Farm
Avila Beach, California

Dear Mr. Fridell:

In March 2007, the Avila Tank Farm Collaborative Assessment Team (ATCAT) was reconvened to finalize and refine the human health and ecological risk assessments and to produce a risk management report to support the Feasibility Study. As a first step toward refining the risk assessments, the site was subdivided into ten Initial Evaluation Areas (IEAs) on the basis of consistent physical, chemical, historical, or geomorphic considerations (Figure 1). Review of the environmental data available for risk assessment in each of the ten IEAs revealed a relative absence of suitable soil gas data as well as a locally limited number and spatial coverage of shallow (i.e., less than [$<$] 5 feet deep) soil data. Moreover, during a May 10, 2007 conference call, the Ecological Risk Working Group (ERWG) of the ATCAT expressed an interest in better understanding the nature and distribution of total petroleum hydrocarbons (TPH) in shallow soil within each of the ten IEAs. Subsequently, the following two documents were prepared:

Avocet Environmental, Inc., June 12, 2007, *Revised Soil Gas Investigation Workplan* (Workplan), *Former Unocal Avila Tank Farm, Avila Beach, California.*

Avocet Environmental, Inc., June 11, 2007, *Revised Approach for Evaluating the TPH Profile in Shallow Soil* (Approach Memorandum), *Former Unocal Avila Tank Farm, Avila Beach, California.*

In addition to an investigation of soil gas, the Workplan included the collection and analytical testing of 89 soil samples from 40 locations (29 soil gas probe locations and 11 other locations). The Approach Memorandum described the use of field and geochemical evidence to characterize the nature (i.e., "asphalt" versus "petroleum") and distribution of hydrocarbons in shallow soil. The purpose of this document is to present the soil sampling results as well as the results of the TPH profile evaluation. The results of the soil gas investigation will be transmitted under separate cover.



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ADDITIONAL SOIL SAMPLING

Field activities were conducted at the Avila Tank Farm property between June 14 and July 26, 2007. Work began with the staking of proposed soil boring and soil gas probe locations on June 14, 2007. Underground Service Alert was notified of the drilling on June 19, 2007 and a meet-and-mark was held on July 9, 2007 to identify active Pacific Gas and Electric and Avila Beach Community Services District (CSD) utilities. Soil sampling was conducted between July 9 and July 17, 2007. The field activities concluded with investigation-derived waste sampling and cleanup on July 26, 2007. Task-specific descriptions of field methods, observations, and variances to the proposed scope of work are discussed in the following sections.

Soil Sampling and Analysis Plan

To further evaluate the distribution of contaminants of potential concern (COPCs) in shallow soil, the ATCAT recommended that soil samples be collected from 29 of the 66 proposed soil gas probe locations, as well as from 11 other locations (Figure 1). Justification for the proposed soil sampling program was presented in McDaniel Lambert (2007) and is summarized in the following table, along with any variances from the proposed scope of work.

Initial Evaluation Area	Description	Historical Use	Status and Recommendation
1	Northern Lowland	Limited industrial use Northern pipeline corridor Company housing	<u>Status:</u> Limited number and spatial coverage of shallow soil data. Particularly for certain COPCs. <u>Recommendation:</u> Collect soil samples at depths of 1, 5, and 10 feet from all five proposed soil gas probe locations as well as from two other locations (21 samples). Analyze for TPH, volatile organic compounds (VOCs), Polynuclear aromatic hydrocarbons (PAHs), and metals. <u>Completed:</u> Completed as proposed.
2	Northeastern Tank Pads	Petroleum storage Pipeline operations	<u>Status:</u> Limited number of samples in upper 2 feet. Coverage limited to former industrial areas. Additional mercury (Hg) delineation around S-38 and S-40 requested by ERWG. <u>Recommendation:</u> Collect soil samples at depths of 1, 5, and 10 feet from easternmost proposed soil gas probe location (SV-06) and from depths of 1 and 5 feet from four other locations (11 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Hand auger borings around S-38 and S-40 sampled at depths of 1 foot and 3 feet due to refusal.
3	Southeastern Tank Pads	Petroleum storage Pipeline operations Stormwater retention	<u>Status:</u> Area well characterized. <u>Recommendation:</u> No additional sampling. <u>Completed:</u> Completed as proposed.

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Initial Evaluation Area	Description	Historical Use	Status and Recommendation
4	Southeastern Terrace	Limited industrial use Berms constructed to contain accidental releases	<u>Status:</u> Limited number and spatial coverage of shallow soil data. Coverage focused on west half of the area associated with investigation of reported buried waste. <u>Recommendation:</u> Collect soil samples at depths of 1, 5, and 10 feet from easternmost proposed soil gas probe location (SV-32) (3 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Completed as proposed.
5	Southwestern Terrace	Petroleum storage Pipeline operations Oil skimming pond and sump Stormwater retention	<u>Status:</u> Spatial coverage is good; however, few data available in the shallowest depth interval. <u>Recommendation:</u> Collect soil samples at depths of 1 and 5 feet from all four proposed soil gas probe locations (8 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Completed as proposed.
6	Western Tank Pads	Petroleum storage Fire suppression equipment Water tanks	<u>Status:</u> Spatial coverage is good; however, few data available in the shallowest depth interval. <u>Recommendation:</u> Collect soil samples at depths of 1 and 5 feet from proposed soil gas probe locations near B-153 (SV-50) and S-6 (SV-41) (4 samples). Analyze for TPH, VOCs, PAHs, and metals.
7	Western Slope	Limited industrial use	<u>Status:</u> Limited number and spatial coverage of shallow soil data. <u>Recommendation:</u> Collect soil samples at depths of 1 and 5 feet from all five proposed soil gas probe locations (10 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Soil samples collected at depths of 2 feet and 5 feet in SV-54.
8	Scout House	Limited industrial use	<u>Status:</u> Limited number and spatial coverage of shallow soil data. <u>Recommendation:</u> Collect soil samples at depths of 1, 5, and 10 feet from both proposed soil gas probe locations as well as from two other locations (12 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Completed as proposed.
9	Former Refinery Area	Refinery Refinery support operations Pumphouse/oil heating equipment Truck loading rack	<u>Status:</u> Spatial coverage is good; however, few data available in the shallowest depth interval. <u>Recommendation:</u> Collect soil samples at depths of 1 and 5 feet from all six proposed soil gas probe locations (12 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> SV-58 sampled at depths of 2 and 5 feet.
10	Steep/Wooded Hillside Beach Cliffs	Limited industrial use	<u>Status:</u> Steep slopes unlikely areas of human activity or development. Coverage limited to former industrial/purported waste disposal areas. Additional Hg delineation around S-1 and S-40 requested by ERWG. <u>Recommendation:</u> Collect soil samples at depths of 1 and 5 feet from proposed soil gas probe location near S-40 and from depths of 1 and 5 feet from three locations near S-1 (8 samples). Analyze for TPH, VOCs, PAHs, and metals. <u>Completed:</u> Soil samples collected at depths of 1 foot and 3 or 4 feet at hand auger borings S-1A, -1B, and -1C due to refusal.

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Drilling and Soil Sampling

Between July 9 and 17, 2007, 89 soil samples were collected from depths of 1 foot to 10 feet below ground surface (bgs) at 40 locations (Figure 1). Depending upon access limitations and the anticipated resistance of the underlying geologic unit, soil sampling was accomplished using a manually operated hand auger, a truck-mounted hollow-stem auger (HSA) drill rig operated by TestAmerica, or a track-mounted direct-push rig retained from Oilfield Environmental Compliance, Inc. (OEC). Typically, the upper 5 feet of each boring was advanced using hand-auger equipment; however, in areas where shallow bedrock was encountered above 5 feet bgs, the remainder of the boring was drilled using mechanical equipment. The upper 10 feet of each boring was continuously logged for lithology and contaminant conditions. At locations where hand augering was possible (i.e., non-bedrock areas), samples were collected, beginning at a depth of 1 foot bgs, by advancing the boring to the desired depth with a hand auger and manually driving a soil sampling device containing a single 2-inch-diameter by 6-inch-long stainless steel sample tube into the undisturbed soil. At and below a depth of 5 feet, samples were obtained using either the direct-push or HSA drill rig.

Most of the samples collected for analytical testing were obtained using the direct-push rig. At these locations, samples were collected in 4-foot-long, 0.1-foot-diameter, clear acetate liners contained within a stainless steel sampler. Six-inch-long subsamples were cut from the acetate cores at approximate 5-foot depth intervals, beginning at a depth of 5 feet (5 and 10 feet bgs), for submission to the analytical testing laboratory. The recovered subsamples were sealed with Teflon[™] sheeting, plastic caps, and Parafilm[™]. The samples were labeled with sample point identification and date and time of collection and stored on ice until delivery to TestAmerica in Irvine, California. Representative portions of the soil cores were placed in resealable plastic bags and field screened for volatile organics using a photoionization detector (PID).

In areas of resistant undisturbed bedrock, the upper 10 feet of each boring was continuously sampled using the HSA drill rig by repeatedly drilling and driving a California-modified split-spoon sampler containing three stainless steel sample tubes ahead of the augers. The relatively undisturbed soil and rock contained within the sample tubes was logged for lithology and contaminant conditions. Samples intended for laboratory submission were handled as described above and subsamples were screened for volatile organics using a PID.

Seven shallow (5 feet) soil borings located in remote or inaccessible areas of the site were drilled and sampled using a hand-auger sampling kit. The borings were advanced to the target depths using a hand auger and then sampled by manually driving a soil sampling device containing a single 2-inch-diameter by 6-inch-long stainless steel sample tube into the undisturbed soil using a slide-hammer. The relatively undisturbed soil sample was then capped, sealed with Parafilm[™], labeled, and placed on ice in a cooler. Cuttings generated during hand-auger advancement were logged for lithology and contaminant conditions and screened for volatile organic compounds (VOCs) using the PID. While each of the seven borings was scheduled for total depths of 5 feet, all of the borings were terminated at shallower depths (3 or 4 feet bgs) due to refusal upon bedrock (S-40A/-40B/-38B), gravelly backfill (S-1A through S-1C), and large roots (S-38A).

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All of the borings, whether drilled by hand auger, direct-push, or HSA drill rig, were either completed as dual-nested soil gas probes or abandoned by backfilling with hydrated bentonite chips.

Decontamination

Down-hole sampling equipment was decontaminated between each use, and drilling equipment was decontaminated between each boring by steam cleaning or by washing in a detergent solution, followed by two potable water rinses and a final distilled water rinse.

Laboratory Analytical Program

A total of 89 soil samples were submitted under chain of custody to TestAmerica and analyzed for TPH with carbon chain identification using U.S. Environmental Protection Agency (EPA) Method 8015M, for polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270 in Selective Ion Monitoring (SIM) mode, for VOCs using EPA Method 8260B, and for the 17 California Assessment Manual (CAM) metals using EPA Methods 6010B, 6020, and 7471A. Soil sample IDs, sample dates, and the analytical results are summarized in Tables 1 through 5. Copies of the laboratory analytical reports, chain-of-custody documentation, and quality assurance/quality control (QA/QC) information are included on a CD in Attachment 1 of this report.

Results

The analytical laboratory results were validated, added to the project database, and distributed to the Ecological Risk and Human Health Risk Working Groups. In general, the results were consistent with previous sample results for the various IEAs. No previously unknown areas of contamination or COPCs were identified as a result of the additional sampling. The additional soil samples collected at the request of the ERWG in the vicinity of preexisting samples S-1, S-38, and S-40 confirmed the presence of locally elevated levels of mercury in these areas.

EVALUATION OF HYDROCARBONS IN SHALLOW SOIL

As stated previously, during a conference call in May 2007, the ERWG of the ATCAT expressed an interest in better understanding the nature and distribution of TPH in shallow soil at the Tank Farm. This interest was raised in response to the observation that two very different types of hydrocarbons may be present in shallow soils at the site: (1) liquid petroleum released from tanks, pipelines, etc., in the course of site operations; and (2) solid hydrocarbons weathered from the asphalt sprayed on slopes to suppress weed growth and erosion. A Technical Memorandum (Avocet, June 11, 2007) was subsequently prepared proposing an approach to assemble the information to facilitate such an understanding. The following sections outline the approach and present the results of this work.

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Total Petroleum Hydrocarbons (TPH)

In 2003, during a characterization of shallow soil (≤ 2.5 feet bgs) at the former Avila Tank Farm, England Geosystem, Inc. (England Geosystem) observed that although very few (1 percent) shallow soil samples exhibited visual or olfactory evidence of hydrocarbon contamination, 77 percent contained detectable concentrations of TPH (average detected concentration of 1,200 milligrams per kilogram [mg/kg]) (England Geosystem, November 6, 2003). They concluded that the majority of shallow hydrocarbon consists of disseminated, solid material weathered from the asphalt sprayed on slopes to suppress weed growth and erosion (Figure 2). Applied Geochemical Strategies (AGS, October 8, 2004) evaluated the geochemical character of this shallow hydrocarbon (i.e., TPH in soil ≤ 2.5 feet bgs) and compared it with TPH associated with liquid petroleum encountered at greater depths beneath former operations areas. AGS concluded that the TPH measured in shallow soils ($C_4-C_{10}:C_{10}-C_{25}:C_{25}-C_{40} = 0\%:20\%:80\%$) is substantially different than the TPH measured in deeper soils ($C_4-C_{10}:C_{10}-C_{25}:C_{25}-C_{40} = 6\%:54\%:40\%$). This shallow TPH was termed “asphalt” due to its geochemical similarity to roadway asphalt, whereas the deeper, liquid TPH was referred to as “petroleum.”

Approach

Two types of information were used to characterize the nature and distribution of hydrocarbons in shallow (<10 feet bgs) soil: field evidence and geochemical evidence.

Geochemical Evidence

Geochemical evidence includes the more than 500 shallow soil TPH measurements available for the site. Each of these measurements is broken down into three carbon ranges: C_4-C_{10} , $C_{10}-C_{25}$, and $C_{25}-C_{40}$. Using the work of AGS (2004), each sample was categorized as either asphalt or petroleum based on the ratio of $C_{25}-C_{40}:C_4-C_{25}$ hydrocarbons. McDaniel Lambert (2005) utilized a “bright line” ratio of 0.7 ($C_{25}-C_{40}:C_4-C_{25}$) to separate “asphalt” from “petroleum.” This bright line was adopted for the current evaluation; samples with 70 percent or more of the TPH in the $C_{25}-C_{40}$ carbon range were classified as asphalt, whereas samples with less than 70 percent of the total TPH in the $C_{25}-C_{40}$ carbon range were classified as petroleum. The TPH data are presented in Table 6.

Field Evidence

Field evidence includes the more than 400 lithologic and sample logs that have been recorded for borings, trenches, and other exploratory excavations conducted at the site. In addition to detailed descriptions of the lithologic units penetrated by the boring, the logs also include descriptions of visual and/or olfactory evidence of contamination (i.e., staining, odor, residual oil, etc.). It is noteworthy that just as the logs include references to the presence of contamination, they also include references to its absence, indicating that the samples were evaluated and that no evidence of contamination was observed. In most instances, the presence of petroleum, even at relatively low concentrations, is easily identified in soil or rock by an experienced observer due to color changes (i.e., staining) and odor imparted by the hydrocarbons.

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Each boring and sample log was reviewed, looking specifically for references to the presence or absence of petroleum contamination in the upper 10 feet of the boring. The results of this review are summarized in Table 6.

Interpretation

The geochemical and field evidence were both considered in preparing Figure 1 – *Site Plan Showing Estimated Depth to Petroleum*. Each of the more than 400 sample locations depicted in Figure 1 were categorized as either (1) hydrocarbons present at a concentration greater than 100 mg/kg at a depth of 10 feet or less, or (2) no hydrocarbons present at a concentration greater than 100 mg/kg at a depth of 10 feet or less. These categories were subdivided further to indicate whether the interpretation was based on geochemical evidence (i.e., Analytical Data Available) or field evidence (i.e., Boring Log Observations). Finally, the geochemical character of the hydrocarbon was considered and samples with “hydrocarbons present” were identified as either petroleum or asphalt. For sample locations identified as petroleum, the depth of first (i.e., shallowest) occurrence was determined and that value was used to prepare the “depth to petroleum” contours shown in Figure 1. The “Final Interpretation” for each sample point used to prepare Figure 1 is summarized in Table 6.

In general, very good agreement was observed between the field and geochemical evidence; particularly for samples tested by ZymaX Envirotechnology, Inc. (ZymaX), which accounts for about three-quarters of the more than 500 samples analyzed for hydrocarbons. For example, samples identified in the field as containing petroleum were confirmed by the laboratory to contain hydrocarbons with the geochemical signature of “petroleum.” Conversely, samples exhibiting no field evidence of petroleum, when analyzed either contained hydrocarbons below the 100-mg/kg threshold or, if hydrocarbons were present, the hydrocarbons displayed the geochemical signature of “asphalt.” Only five of the 400 shallow (≤ 10 feet bgs) soil samples tested by ZymaX and identified as petroleum on the basis of geochemical evidence were reclassified as asphalt in the final interpretation on the basis of field evidence. On average, 63 percent of the hydrocarbons in these samples occur in the C₂₅-C₄₀ carbon range.

The method of discriminating between petroleum and asphalt developed by AGS is based on analytical testing conducted by ZymaX using the GC/MS Combination method. Since ZymaX ceased offering environmental testing services in March 2005, 144 shallow soil samples have been tested by two other labs: BC Laboratories, Inc. (BC), and TestAmerica. Samples tested by BC and TestAmerica, though valid, were analyzed using different methods (GC/FID) and/or standards and the results are not considered directly comparable. This is particularly evident in the results of samples collected from trenches in the southeast portion of the site (identified with STR-#-#) and analyzed by BC. Fourteen of the samples collected from these trenches were described as solid asphalt but identified based on geochemistry as “petroleum.” On average, 58 percent of the hydrocarbons in these samples occur in the C₂₅-C₄₀ carbon range. These samples are identified as “asphalt” in Figure 1.

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Inspection of Figure 1 indicates that the majority of shallow petroleum occurs beneath and surrounding the former pump house and truck loading rack, as well as beneath and along several of the principal pipeline arterials. In the eastern portion of the site, this petroleum occurs primarily along pipelines at depths of 4 feet or more bgs. The petroleum in this area of the site is generally of higher molecular weight and occurs most often as a stain and/or coating on the interior of fractures in the weathered bedrock. In the central area of the site, petroleum was encountered at depths of 2 feet or less around the pump house, truck loading rack, and beneath former aboveground storage tanks north and south of the pump house. The distribution and shallow depth of petroleum in the pump house area is attributed to the shallow groundwater that occurs seasonally in this area of the site. Shallow groundwater would inhibit the vertical migration and exaggerate the horizontal movement of petroleum. The petroleum in this area of the site includes a larger low molecular weight component, locally including benzene, toluene, ethyl benzene, and total xylenes (BTEX), and occurs primarily as stain or residual non-aqueous phase liquid (NAPL) within the secondary porosity of fine-grained soil (colluvium/alluvium).

If you have any questions or require additional information, please do not hesitate to contact me at (949) 296-0977 (Ext. 103).

Respectfully submitted,

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- McDaniel Lambert, Inc., 2005, Baseline Human Health Risk Assessment for the Avila Tank Farm Property, Ratified February 28, 2005, Final Version 2.0. Prepared for Unocal Corporation Diversified Business Group. Report dated February 28, 2005.
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Tables

Table 1
Summary of Soil TPH Analytical Results
 (Units are mg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	C8-C9	C10-C11	C12-C13	C14-C15	C16-C17	C18-C19	C20-C21	C22-C23	C24-C25	C26-C27	C28-C29	C30-C31	C32-C35	C36-C40	Total C8-C40
S-50	1	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.9
S-50	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-50	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-47	1	07/11/07	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<10
S-47	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-47	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-1	1	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-1	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-1	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-2	1	07/11/07	<7	<7	<7	9.1	23	33	38	38	36	34	34	26	26	16	320
SV-2	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-2	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-3	1	07/11/07	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<10
SV-3	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-3	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-4	1	07/11/07	<7	<7	<7	<7	<7	10	15	18	19	19	24	19	23	13	170
SV-4	5	07/11/07	<18	<18	<18	44	110	160	180	200	180	170	150	110	110	56	1500
SV-4	10	07/11/07	290	720	1100	1000	900	640	870	520	450	560	340	380	550	360	8700
SV-5	1	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-5	5	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-5	10	07/11/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-38A	1	07/17/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	9.5	<3.5	18
S-38A	3	07/17/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	8.2	<3.5	14
S-38B	1	07/17/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5	4	16
S-38B	3	07/17/07	<7	<7	<7	<7	13	15	32	27	34	43	39	41	63	26	340
S-40A	1	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	11	20	35	47	56	67	38	39	48	380
S-40A	3	07/16/07	<3.5	<3.5	<3.5	<3.5	5.3	8.8	15	20	23	29	23	20	36	16	200
S-40B	1	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	7.7	12	16	28	23	22	40	18	170
S-40B	3	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	8.4	<3.5	22
SV-6	1	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-6	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-6	10	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-32	1	07/13/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.9	<3.5	11
SV-32	5	07/13/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-32	10	07/13/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-35	1	07/12/07	<70	110	410	550	550	470	490	440	370	380	240	240	310	150	4700
SV-35	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-36	1	07/10/07	<35	210	510	830	1100	1200	1500	1400	1400	1400	990	780	850	250	12000
SV-36	5	07/10/07	<7	<7	<7	21	39	46	99	77	82	110	67	77	89	38	750
SV-37	1	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-37	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-38	1	07/12/07	<7	<7	<7	9	26	42	71	99	100	150	85	82	93	38	800
SV-38	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-41	1	07/13/07	<3.5	<3.5	<3.5	<3.5	<3.5	4.3	8.4	11	16	21	19	18	31	16	150
SV-41	5	07/13/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5

Table 1
Summary of Soil TPH Analytical Results
 (Units are mg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	C8-C9	C10-C11	C12-C13	C14-C15	C16-C17	C18-C19	C20-C21	C22-C23	C24-C25	C26-C27	C28-C29	C30-C31	C32-C35	C36-C40	Total C8-C40
SV-45	1	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.3
SV-45	5	07/12/07	<3.5	<3.5	<3.5	<3.5	4.2	5.4	14	13	17	19	20	21	31	18	160
SV-50	1	07/12/07	<7	<7	<7	<7	8.2	16	32	49	65	100	70	86	110	44	590
SV-50	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.6	9.6	7	6.8	7.5	15	13	69
SV-51	1	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	3.6	3.6	<3.5	<3.5	8.9	6.1	34
SV-51	5	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-52	1	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-52	5	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-53	1	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.5	6.4	4.8	5.9	11	7.3	47
SV-53	5	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-54	2	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-54	5	07/09/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-48	1	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-48	5	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-48	10	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-49	1	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-49	5	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
S-49	10	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-55	1	07/10/07	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	7.9	9.9	<7	48
SV-55	5	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.5	<3.5	23
SV-55	10	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-56	1	07/10/07	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	19
SV-56	5	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-56	10	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-57	1	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	3.6	5.1	3.8	4.4	7.1	<3.5	33
SV-57	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5
SV-58	2	07/10/07	<3.5	<3.5	<3.5	4.4	11	12	24	20	22	29	23	30	39	20	240
SV-58	5	07/10/07	<7	<7	<7	<7	<7	<7	15	23	32	47	49	50	76	31	330
SV-60	1	07/10/07	<18	<18	<18	<18	50	80	120	140	150	190	160	160	230	120	1400
SV-60	5	07/10/07	230	350	480	400	330	210	220	110	78	76	46	52	61	<35	2700
SV-61	1	07/10/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.4	<3.5	20
SV-61	5	07/10/07	450	860	1000	870	750	470	550	320	260	320	190	230	260	<180	6700
SV-62	1	07/10/07	<35	130	500	940	1500	1700	2100	2200	2100	2000	1300	1200	1100	270	17000
SV-62	5	07/10/07	<440	1300	2400	2300	1900	1400	1300	1000	780	890	640	620	980	550	16000
SV-63	1	07/09/07	<18	28	110	210	310	250	480	320	350	440	230	280	320	120	3500
SV-63	5	07/09/07	4.9	8.9	5.3	<3.5	3.6	4.3	8.6	6.7	7	9.3	7.1	8.1	11	4.4	92
S-1A	1	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.9	<3.5	21
S-1A	3	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.5	5.8	7	17	10	54
S-1B	1	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	6	8.7	12	16	14	16	26	13	120
S-1B	4	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	5.2	6.9	8.2	11	9.1	11	18	10	85
S-1C	1	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.9	4.3	5	11	6.1	44
S-1C	4	07/16/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	4.9	4.4	4.8	8.6	4.3	33
SV-8	1	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	5.1	16	19	26	33	33	35	55	27	250
SV-8	5	07/12/07	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<5

Table 2
Summary of Detected Soil VOCs Analytical Results
 (Units are µg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Toluene	Xylenes, Total
S-50	1	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-50	5	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-50	10	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-47	1	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-47	5	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-47	10	07/11/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<4.4
SV-1	1	07/11/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
SV-1	5	07/11/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.4	<5.4	<2.2	<2.2	<2.2	<5.4	<5.4	<2.2	<4.3
SV-1	10	07/11/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.3
SV-2	1	07/11/07	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-2	5	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<4.1
SV-2	10	07/11/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<4.5
SV-3	1	07/11/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<4.4
SV-3	5	07/11/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<4.5
SV-3	10	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-4	1	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-4	5	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-4	10	07/11/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	290	<2.1	1400	<5.2	210	<2.1	<2.1	110	11	2.7	<4.2
SV-5	1	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-5	5	07/11/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-5	10	07/11/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<3.9
S-38A	1	07/16/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-38A	3	07/16/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<3.8
S-38B	1	07/16/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<3.9
S-38B	3	07/16/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.2
S-40A	1	07/16/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-40A	3	07/16/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
S-40B	1	07/16/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	2.7	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<3.9
S-40B	3	07/16/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	4.4	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.2
SV-6	1	07/12/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
SV-6	5	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-6	10	07/12/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.1
SV-32	1	07/13/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<4.0
SV-32	5	07/13/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0

Table 2
Summary of Detected Soil VOCs Analytical Results
 (Units are µg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Toluene	Xylenes, Total
SV-32	10	07/13/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<4.1
SV-35	1	07/12/07	<2.0	<2.0	13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	24	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-35	5	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-36	1	07/10/07	15	<1.9	7.1	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	7.9	<4.6	<1.9	<1.9	<1.9	<4.6	<4.6	<1.9	<3.7
SV-36	5	07/10/07	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<11	<11	<4.2	<4.2	<4.2	<11	<11	<4.2	<8.4
SV-37	1	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-37	5	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-38	1	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-38	5	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-41	1	07/13/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-41	5	07/13/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.1
SV-45	1	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-45	5	07/12/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<3.8
SV-50	1	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-50	5	07/12/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<3.9
SV-51	1	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	43	<2.0	<5.0	<5.0	<2.0	<2.0	11	<5.0	<5.0	<2.0	<4.0
SV-51	5	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-52	1	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-52	5	07/09/07	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<9.7	<9.7	<3.9	<3.9	<3.9	<9.7	<9.7	<3.9	<7.8
SV-53	1	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-53	5	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-54	2	07/09/07	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<11	<11	<4.2	<4.2	<4.2	<11	<11	<4.2	<8.5
SV-54	5	07/09/07	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<10	<4.0	<4.0	<4.0	<10	<10	<4.0	<8.0
S-48	1	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-48	5	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<4.0
S-48	10	07/10/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<3.8
S-49	1	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-49	5	07/10/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.2
S-49	10	07/10/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.6	<4.6	<1.9	<1.9	<1.9	<4.6	<4.6	<1.9	<3.7
SV-55	1	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-55	5	07/10/07	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<4.4
SV-55	10	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-56	1	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-56	5	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0

Table 2
Summary of Detected Soil VOCs Analytical Results
 (Units are µg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Toluene	Xylenes, Total
SV-56	10	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<4.0
SV-57	1	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-57	5	07/12/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-58	2	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
SV-58	5	07/10/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
SV-60	1	07/10/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
SV-60	5	07/10/07	<200	<200	<200	<200	<200	<200	<200	<200	1800	<200	<500	790	2900	<200	250	1300	<500	<200	<400
SV-61	1	07/10/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.3	<2.0	<5.1	<5.1	6	<2.0	<2.0	<5.1	<5.1	<2.0	<4.1
SV-61	5	07/10/07	25000	<1000	8300	<1000	1800	<1000	<1000	9800	4400	6800	11000	4300	6300	8700	3300	2800	<2500	<1000	16000
SV-62	1	07/10/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.2
SV-62	5	07/10/07	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	23	14	<24	<24	<9.7	34	<9.7	<24	240	<9.7	48
SV-63	1	07/09/07	140	16	47	6.2	18	5.9	<4.9	42	180	44	140	<12	290	22	19	31	<12	5.7	66
SV-63	5	07/09/07	390	<3.9	59	<3.9	7	<3.9	<3.9	47	81	13	150	<9.8	100	4.1	44	45	<9.8	<3.9	17
S-1A	1	07/16/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<3.9
S-1A	3	07/16/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<4.1
S-1B	1	07/16/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<3.9
S-1B	4	07/16/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
S-1C	1	07/16/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<3.9
S-1C	4	07/16/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<3.7
SV-8	1	07/12/07	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<4.2
SV-8	5	07/12/07	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<3.8
Trip Blank	QCTB-070907	07/09/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0
Trip Blank	QCTB-071707	07/17/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<4.0

Table 3
Summary of Soil PAH Analytical Results
(Units are µg/kg dry)
Former Avila Tank Farm

Boring ID	Depth	Matrix	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
S-50	1	Soil	07/11/07	<6.1	<6.1	<6.1	<6.1	<6.1	14	<6.1	24	14	7.8	<6.1	<6.1	21	<6.1	11	<6.1	7.7	21
S-50	5	Soil	07/11/07	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
S-50	10	Soil	07/11/07	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
S-47	1	Soil	07/11/07	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	9	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
S-47	5	Soil	07/11/07	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
S-47	10	Soil	07/11/07	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5
SV-1	1	Soil	07/11/07	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SV-1	5	Soil	07/11/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SV-1	10	Soil	07/11/07	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
SV-2	1	Soil	07/11/07	<6.6	7.3	<6.6	<6.6	17	8.6	64	38	130	<6.6	8.1	<6.6	32	<6.6	<6.6	7.9	<6.6	26
SV-2	5	Soil	07/11/07	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9
SV-2	10	Soil	07/11/07	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3
SV-3	1	Soil	07/11/07	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	9.5	<6.5	9.8	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SV-3	5	Soil	07/11/07	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
SV-3	10	Soil	07/11/07	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
SV-4	1	Soil	07/11/07	<5.9	<5.9	<5.9	5.9	<5.9	19	35	38	57	14	20	12	16	<5.9	32	6.4	5.9	18
SV-4	5	Soil	07/11/07	370	400	<5.5	<5.5	<5.5	<5.5	30	41	99	<5.5	<5.5	<5.5	25	79	<5.5	94	42	26
SV-4	10	Soil	07/11/07	2900	2500	200	<6.2	150	<6.2	34	55	41	<6.2	220	<6.2	<6.2	1200	<6.2	2000	520	320
SV-5	1	Soil	07/11/07	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8
SV-5	5	Soil	07/11/07	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
SV-5	10	Soil	07/11/07	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
S-38A	1	Soil	07/16/07	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
S-38A	3	Soil	07/16/07	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
S-38B	1	Soil	07/16/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
S-38B	3	Soil	07/16/07	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
S-40A	1	Soil	07/16/07	<55	<55	<55	<55	<55	<55	80	170	140	<55	630	<55	<55	<55	65	<55	62	160
S-40A	3	Soil	07/16/07	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	6.2	8	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	7.3
S-40B	1	Soil	07/16/07	<5.4	8.7	<5.4	15	10	22	39	67	61	41	120	15	54	<5.4	55	12	56	80
S-40B	3	Soil	07/16/07	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
SV-6	1	Soil	07/12/07	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SV-6	5	Soil	07/12/07	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SV-6	10	Soil	07/12/07	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
SV-32	1	Soil	07/13/07	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SV-32	5	Soil	07/13/07	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SV-32	10	Soil	07/13/07	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SV-35	1	Soil	07/12/07	<5.1	<5.1	<5.1	<5.1	160	<5.1	89	120	80	<5.1	160	23	96	670	30	<5.1	160	570
SV-35	5	Soil	07/12/07	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SV-36	1	Soil	07/10/07	530	480	<53	<53	<53	910	89	890	600	<53	3600	280	580	2100	300	<53	1400	3200

Table 3
Summary of Soil PAH Analytical Results
 (Units are µg/kg dry)
 Former Avila Tank Farm

Boring ID	Depth	Matrix	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
SV-36	5	Soil	07/10/07	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	9.4	26	45	35	140	<5.6	<5.6	170	<5.6	<5.6	<5.6	140
SV-37	1	Soil	07/12/07	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SV-37	5	Soil	07/12/07	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SV-38	1	Soil	07/12/07	<56	<56	<56	<56	<56	<56	<56	<56	130	81	130	<56	<56	<56	<56	<56	<56	64
SV-38	5	Soil	07/12/07	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SV-41	1	Soil	07/13/07	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	6.8	33	<5.7	14	<5.7	<5.7	<5.7	11	<5.7	<5.7	8.2
SV-41	5	Soil	07/13/07	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SV-45	1	Soil	07/12/07	<6.7	<6.7	<6.7	<6.7	<6.7	13	<6.7	<6.7	11	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SV-45	5	Soil	07/12/07	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SV-50	1	Soil	07/12/07	<5.5	<5.5	<5.5	<5.5	<5.5	14	<5.5	5.6	9.3	8	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SV-50	5	Soil	07/12/07	<6.2	<6.2	<6.2	<6.2	<6.2	31	14	11	16	<6.2	<6.2	6.2	<6.2	<6.2	8.9	<6.2	<6.2	10
SV-51	1	Soil	07/09/07	<6.1	<6.1	<6.1	<6.1	6.2	38	30	26	16	13	45	<6.1	65	<6.1	11	<6.1	47	98
SV-51	5	Soil	07/09/07	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8
SV-52	1	Soil	07/09/07	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SV-52	5	Soil	07/09/07	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SV-53	1	Soil	07/09/07	<5.7	<5.7	<5.7	<5.7	<5.7	29	14	6.7	6	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	20
SV-53	5	Soil	07/09/07	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SV-54	2	Soil	07/09/07	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SV-54	5	Soil	07/09/07	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
S-48	1	Soil	07/10/07	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
S-48	5	Soil	07/10/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
S-48	10	Soil	07/10/07	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
S-49	1	Soil	07/10/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
S-49	5	Soil	07/10/07	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
S-49	10	Soil	07/10/07	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
SV-55	1	Soil	07/10/07	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SV-55	5	Soil	07/10/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	5.7	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SV-55	10	Soil	07/10/07	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SV-56	1	Soil	07/10/07	8	16	<5.4	<5.4	9.2	24	87	59	46	12	110	19	27	<5.4	21	8.2	7.1	46
SV-56	5	Soil	07/10/07	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
SV-56	10	Soil	07/10/07	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0
SV-57	1	Soil	07/12/07	<5.6	<5.6	<5.6	<5.6	<5.6	11	20	18	18	7.6	19	<5.6	20	<5.6	18	<5.6	11	25
SV-57	5	Soil	07/12/07	<5.4	<5.4	<5.4	5.5	<5.4	19	33	28	23	17	36	6.4	46	<5.4	25	<5.4	28	59
SV-58	2	Soil	07/10/07	6.8	<6.7	<6.7	<6.7	<6.7	6.9	<6.7	<6.7	24	<6.7	13	<6.7	13	19	7.8	<6.7	19	18
SV-58	5	Soil	07/10/07	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SV-60	1	Soil	07/10/07	<5.7	7.4	<5.7	15	7.7	<5.7	<5.7	<5.7	29	<5.7	<5.7	<5.7	14	<5.7	15	7.9	11	<5.7
SV-60	5	Soil	07/10/07	2300	3300	410	<5.8	150	38	19	24	6.5	5.8	78	<5.8	110	520	6.6	320	950	200
SV-61	1	Soil	07/10/07	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5

Table 3
Summary of Soil PAH Analytical Results
 (Units are µg/kg dry)
 Former Avila Tank Farm

Boring ID	Depth	Matrix	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
SV-61	5	Soil	07/10/07	5500	4100	710	420	240	58	140	67	18	<6.5	270	9.6	<6.5	3500	<6.5	6400	3600	180
SV-62	1	Soil	07/10/07	<54	<54	<54	<54	<54	850	110	760	650	400	<54	<54	<54	7100	280	<54	<54	370
SV-62	5	Soil	07/10/07	<62	<62	3200	<62	1200	110	260	94	83	<62	610	<62	370	4800	<62	<62	1400	820
SV-63	1	Soil	07/09/07	1600	2900	260	52	3500	400	85	120	91	120	2300	49	390	1700	30	1000	3300	280
SV-63	5	Soil	07/09/07	330	310	12	<5.8	<5.8	7	<5.8	7.3	<5.8	<5.8	<5.8	<5.8	<5.8	33	<5.8	240	20	<5.8
S-1A	1	Soil	07/16/07	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
S-1A	3	Soil	07/16/07	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	5.4	<5.1	5.6	<5.1	6.2	<5.1	<5.1	<5.1	5.5	7.4
S-1B	1	Soil	07/16/07	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	11	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
S-1B	4	Soil	07/16/07	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	5.6	7.3	<5.5	6.1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
S-1C	1	Soil	07/16/07	5.3	6.3	<5.0	<5.0	<5.0	12	13	19	17	9.7	19	<5.0	27	<5.0	12	<5.0	28	32
S-1C	4	Soil	07/16/07	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SV-8	1	Soil	07/12/07	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	6.4	7.5	12	<5.6	13	<5.6	7.2	<5.6	8.8	<5.6	<5.6	7.7
SV-8	5	Soil	07/12/07	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7

Table 4
Summary of Soil Metals Analytical Results
 (Units are mg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
S-50	1	7/11/07	<10	2.1	75	<0.50	1.3	28	5.2	18	13	0.12	4.3	29	<2.0	<1.0	<10	57	60
S-50	5	7/11/07	<10	2.4	67	<0.50	1.8	46	3.2	20	3.1	0.021	10	47	<2.0	<1.0	<10	82	55
S-50	10	7/11/07	<9.9	1.6	39	<0.50	1.3	33	1.5	11	2.2	<0.020	7.5	31	<2.0	<0.99	<9.9	53	32
S-47	1	7/11/07	<9.9	0.94	65	0.5	<0.50	7.8	9.7	11	9.8	<0.020	<2.0	5.1	<2.0	<0.99	<9.9	58	34
S-47	5	7/11/07	<9.9	<0.50	66	<0.50	<0.50	8.8	7.9	11	2.6	<0.020	<2.0	<2.0	<2.0	<0.99	<9.9	72	36
S-47	10	7/11/07	<20	<0.50	81	<1.0	<1.0	12	11	15	<4.0	<0.020	<4.0	<4.0	<4.0	<2.0	<20	91	50
SV-1	1	7/11/07	<10	3	57	<0.50	3.5	54	1.8	23	4.1	0.054	8.6	51	<2.0	<1.0	<10	120	67
SV-1	5	7/11/07	<10	3.6	21	<0.50	2.3	39	<1.0	22	<2.0	<0.020	11	57	<2.0	<1.0	<10	110	67
SV-1	10	7/11/07	<10	6.1	24	<0.50	2.6	58	2	27	2.2	0.059	15	72	<2.0	<1.0	<10	130	86
SV-2	1	7/11/07	<10	1.6	150	0.55	<0.50	13	13	11	5.8	<0.020	<2.0	15	<2.0	<1.0	<10	57	37
SV-2	5	7/11/07	<10	1.1	91	0.53	<0.50	9.2	13	10	2.7	<0.020	<2.0	9.4	<2.0	<1.0	<10	50	26
SV-2	10	7/11/07	<10	1.2	140	0.62	<0.50	8.2	14	11	3.1	0.023	<2.0	9.4	<2.0	<1.0	<10	45	25
SV-3	1	7/11/07	<10	1.4	170	0.59	<0.50	13	12	11	5.7	0.032	<2.0	13	<2.0	<1.0	<10	54	37
SV-3	5	7/11/07	<10	1.1	120	0.57	<0.50	9.8	13	10	3	0.035	<2.0	9	<2.0	<1.0	<10	46	25
SV-3	10	7/11/07	<10	1.2	97	<0.50	<0.50	6.7	12	9.4	2.7	<0.020	<2.0	7.5	<2.0	<1.0	<10	36	24
SV-4	1	7/11/07	<10	1.4	85	<0.50	<0.50	15	5.9	9.7	6.2	0.033	<2.0	12	<2.0	<1.0	<10	29	71
SV-4	5	7/11/07	<9.9	1.3	64	<0.50	<0.50	14	6.3	5.4	3	<0.020	<2.0	10	<2.0	<0.99	<9.9	19	13
SV-4	10	7/11/07	<9.9	1.1	140	<0.50	<0.50	13	11	8.4	3.5	<0.020	<2.0	13	<2.0	<0.99	<9.9	39	24
SV-5	1	7/11/07	<9.9	<0.50	41	0.7	<0.50	11	46	15	2.9	<0.020	<2.0	9.3	<2.0	<0.99	<9.9	77	51
SV-5	5	7/11/07	<20	<0.50	35	1.4	<1.0	13	15	13	<4.0	<0.020	<4.0	11	<4.0	<2.0	<20	100	51
SV-5	10	7/11/07	<10	<0.50	75	0.87	<0.50	14	13	12	<2.0	<0.020	<2.0	12	<2.0	<1.0	<10	95	47
S-38A	1	7/16/07	<10	2.4	45	<0.50	<0.50	9	5	12	4.2	0.53	<2.0	9.7	<2.0	<1.0	<10	28	40
S-38A	3	7/16/07	<20	2.5	340	<1.0	<1.0	21	12	11	<4.0	0.037	<4.0	12	<4.0	<2.0	<20	100	42
S-38B	1	7/16/07	<10	3.1	120	0.51	<0.50	30	6.6	8.1	4.3	0.028	<2.0	12	<2.0	<1.0	<10	40	27
S-38B	3	7/16/07	<20	2.4	230	<1.0	<1.0	32	10	9.5	<4.0	0.092	<4.0	12	<4.0	<2.0	<20	120	43
S-40A	1	7/16/07	<10	4.1	69	<0.50	<0.50	32	2.7	17	56	0.74	3	22	<2.0	<1.0	<10	41	51
S-40A	3	7/16/07	<9.9	1.8	51	<0.50	<0.50	28	1.3	5	4.3	0.043	<2.0	8.2	<2.0	<0.99	<9.9	20	16
S-40B	1	7/16/07	<10	3.4	51	<0.50	<0.50	32	2	7	37	1.5	<2.0	12	<2.0	<1.0	<10	28	45
S-40B	3	7/16/07	<9.9	1.6	30	<0.50	<0.50	23	1	4	2.8	0.023	<2.0	6.2	<2.0	<0.99	<9.9	17	13
SV-6	1	7/12/07	<10	3.9	130	1.2	0.81	25	20	14	5.4	0.07	3.1	44	<2.0	<1.0	<10	46	49
SV-6	5	7/12/07	<10	5	160	0.95	0.72	47	11	19	5.8	0.066	3.2	52	<2.0	<1.0	<10	86	64
SV-6	10	7/12/07	<20	0.82	19	<1.0	<1.0	13	11	13	<4.0	0.042	<4.0	5.8	<4.0	<2.0	<20	82	58
SV-32	1	7/13/07	<10	0.98	92	0.64	<0.50	26	2	5.6	5.5	<0.020	<2.0	12	<2.0	<1.0	<10	28	16
SV-32	5	7/13/07	<10	1.7	90	1.8	<0.50	52	29	8.7	7.5	0.03	<2.0	41	<2.0	<1.0	<10	72	35
SV-32	10	7/13/07	<20	1.1	35	<0.99	<0.99	12	<2.0	<4.0	<4.0	<0.020	<4.0	6.3	<4.0	<2.0	<20	14	11
SV-35	1	7/12/07	<9.9	2.3	110	<0.50	<0.50	24	1.6	5.3	6.4	<0.020	<2.0	11	<2.0	<0.99	<9.9	18	13
SV-35	5	7/12/07	<10	2.6	42	<0.50	<0.50	26	1.3	4.7	3.8	<0.020	<2.0	7.5	<2.0	<1.0	<10	18	17
SV-36	1	7/10/07	<10	20	56	<0.50	0.64	9.8	2.8	17	71	0.53	<2.0	27	<2.0	<1.0	<10	23	81
SV-36	5	7/10/07	<10	2.2	110	<0.50	<0.50	9.5	<1.0	3.4	8.5	0.021	<2.0	4.5	<2.0	<1.0	<10	10	15
SV-37	1	7/12/07	<10	15	74	<0.50	<0.50	18	3	4.3	2.8	<0.020	<2.0	10	<2.0	<1.0	<10	14	8
SV-37	5	7/12/07	<9.9	3.8	76	0.53	<0.50	38	1.9	4.1	5.2	<0.020	<2.0	12	<2.0	<0.99	<9.9	30	15
SV-38	1	7/12/07	<9.9	16	53	<0.50	0.79	28	1.9	4.5	6.9	0.022	<2.0	19	<2.0	<0.99	<9.9	24	16
SV-38	5	7/12/07	<9.9	3.2	28	<0.50	<0.50	26	1.3	3.7	2.2	<0.020	<2.0	5.7	<2.0	<0.99	<9.9	21	13
SV-41	1	7/13/07	<9.9	21	52	<0.50	<0.50	34	2.3	5.7	16	0.046	<2.0	15	<2.0	<0.99	<9.9	31	32
SV-41	5	7/13/07	<9.9	6	44	<0.50	<0.50	30	1.5	4.5	3.9	<0.020	<2.0	9	<2.0	<0.99	<9.9	22	18
SV-45	1	7/12/07	<10	2.4	41	<0.50	<0.50	31	3.1	5.8	2.8	0.037	<2.0	15	<2.0	<1.0	<10	24	25

Table 4
Summary of Soil Metals Analytical Results
 (Units are mg/kg)
 Former Avila Tank Farm

Boring ID	Depth (feet)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SV-45	5	7/12/07	<9.9	4.2	59	0.84	<0.50	28	3.8	7.2	4.6	0.026	2.5	13	<2.0	<0.99	<9.9	22	29
SV-50	1	7/12/07	<10	11	48	<0.50	<0.50	25	1.8	5.9	12	0.029	<2.0	18	<2.0	<1.0	<10	29	20
SV-50	5	7/12/07	<9.9	6	75	<0.50	<0.50	39	2.8	6.9	5.5	0.023	<2.0	19	<2.0	<0.99	<9.9	34	25
SV-51	1	7/9/07	<9.9	2.3	64	<0.50	<0.50	15	2	6.6	23	0.029	<2.0	9.1	<2.0	<0.99	<9.9	13	39
SV-51	5	7/9/07	<10	3.2	48	<0.50	<0.50	17	2	5.7	3.5	0.035	<2.0	8.6	<2.0	<1.0	<10	12	18
SV-52	1	7/9/07	<10	1.1	55	<0.50	<0.50	16	1	3.6	3.2	<0.020	<2.0	8	<2.0	<1.0	<10	12	6
SV-52	5	7/9/07	<10	3.2	52	<0.50	<0.50	17	1.5	4.1	4.2	<0.020	<2.0	8.4	<2.0	<1.0	<10	11	13
SV-53	1	7/9/07	<10	1.7	80	<0.50	0.66	16	3	5.8	7.8	0.032	<2.0	13	<2.0	<1.0	<10	14	14
SV-53	5	7/9/07	<10	4.1	99	0.5	<0.50	21	2.1	4.3	6	<0.020	<2.0	9.5	<2.0	<1.0	<10	18	10
SV-54	2	7/9/07	<10	4.5	30	<0.50	<0.50	15	1.7	3.3	3.2	0.06	<2.0	7.3	<2.0	<1.0	<10	12	12
SV-54	5	7/9/07	<10	3.2	41	<0.50	<0.50	17	1.9	3.1	4.6	0.052	<2.0	7.1	<2.0	<1.0	<10	14	12
S-48	1	7/10/07	<10	1.1	29	<0.50	<0.50	3.7	<1.0	2.3	7.3	0.027	<2.0	2.6	<2.0	<1.0	<10	3	<5.0
S-48	5	7/10/07	<10	<0.50	5.9	<0.50	<0.50	1.6	<1.0	<2.0	2.3	<0.020	<2.0	<2.0	<2.0	<1.0	<10	1.2	<5.0
S-48	10	7/10/07	<10	3.2	7.2	<0.50	<0.50	3.4	<1.0	<2.0	2.9	<0.020	5.7	<2.0	<2.0	<1.0	<10	4.1	<5.0
S-49	1	7/10/07	<9.9	2.3	95	<0.50	0.53	17	2.4	5	3.9	<0.020	<2.0	9.8	<2.0	<0.99	<9.9	13	12
S-49	5	7/10/07	<10	1.3	71	<0.50	<0.50	25	6.8	6.7	4.9	<0.020	<2.0	21	<2.0	<1.0	<10	17	24
S-49	10	7/10/07	<10	3.9	63	<0.50	<0.50	13	1.3	8.3	17	<0.020	2.9	8.7	<2.0	<1.0	<10	9.7	21
SV-55	1	7/10/07	<10	2.2	43	<0.50	<0.50	13	2	9.1	19	0.02	<2.0	8.9	<2.0	<1.0	<10	16	21
SV-55	5	7/10/07	<10	2.2	25	<0.50	<0.50	8.1	<1.0	2.9	6.2	<0.020	<2.0	4.5	<2.0	<1.0	<10	6.9	7.7
SV-55	10	7/10/07	<10	1.7	19	<0.50	<0.50	5.6	<1.0	<2.0	5.3	<0.020	<2.0	8.2	<2.0	<1.0	<10	2.9	6.2
SV-56	1	7/10/07	<10	7.3	270	<0.50	<0.50	3.6	<1.0	2.1	7.7	<0.020	<2.0	2.6	<2.0	<1.0	<10	3.1	7.3
SV-56	5	7/10/07	<10	54	230	<0.50	<0.50	2.7	<1.0	3.2	7.8	<0.020	3.6	2.4	<2.0	<1.0	<10	2.8	<5.0
SV-56	10	7/10/07	<10	2.4	9.6	<0.50	<0.50	3.7	<1.0	2.4	3.4	<0.020	<2.0	3.1	<2.0	<1.0	<10	1.1	8.7
SV-57	1	7/12/07	<10	4.8	53	<0.50	0.51	24	2.2	9.8	66	0.14	<2.0	14	<2.0	<1.0	<10	29	160
SV-57	5	7/12/07	<9.9	6	36	<0.50	<0.50	29	1.1	3.4	2.9	0.093	<2.0	7.5	<2.0	<0.99	<9.9	25	17
SV-58	2	7/10/07	<9.9	1.8	50	<0.50	<0.50	19	2.8	9	15	0.13	<2.0	14	<2.0	<0.99	<9.9	18	24
SV-58	5	7/10/07	<10	1.4	59	<0.50	<0.50	8.1	2	4.3	2.3	<0.020	<2.0	7.4	<2.0	<1.0	<10	8.8	8.8
SV-60	1	7/10/07	<10	1.5	87	<0.50	0.97	12	2.3	7.9	18	<0.020	<2.0	12	<2.0	<1.0	<10	13	22
SV-60	5	7/10/07	<9.9	1.2	35	<0.50	<0.50	12	<0.99	3.7	3.8	<0.020	<2.0	3.9	<2.0	<0.99	<9.9	9.6	7
SV-61	1	7/10/07	<10	1.4	68	<0.51	<0.51	16	1.1	3.6	3.5	<0.020	<2.0	6.5	<2.0	<1.0	<10	13	6.8
SV-61	5	7/10/07	<10	3.8	41	<0.50	<0.50	36	1.7	5.9	5.9	<0.020	<2.0	11	<2.0	<1.0	<10	28	15
SV-62	1	7/10/07	<9.9	2.2	93	<0.49	<0.49	15	2.2	5.8	9.8	0.087	<2.0	25	<2.0	<0.99	<9.9	20	120
SV-62	5	7/10/07	<9.9	8.7	52	<0.49	<0.49	8.5	2.2	5.9	2.5	<0.020	<2.0	10	<2.0	<0.99	<9.9	9.7	12
SV-63	1	7/9/07	<10	2.8	43	<0.50	1.7	18	2.7	14	14	0.03	6	32	<2.0	<1.0	<10	38	39
SV-63	5	7/9/07	<9.9	2.5	63	<0.49	<0.49	18	1.3	5	4.2	<0.020	<2.0	7.1	<2.0	<0.99	<9.9	16	10
S-1A	1	7/16/07	<9.9	5.7	79	0.66	<0.50	35	10	21	8.6	1	<2.0	63	<2.0	<0.99	<9.9	38	55
S-1A	3	7/16/07	<10	5.9	80	0.67	<0.50	29	10	22	9	0.62	<2.0	49	<2.0	<1.0	<10	37	60
S-1B	1	7/16/07	<9.9	7.1	210	0.86	<0.50	40	2.7	7.4	11	0.096	<2.0	24	<2.0	<0.99	<9.9	27	30
S-1B	4	7/16/07	<10	9.3	210	1	<0.50	21	2.1	5.3	24	0.089	<2.0	16	<2.0	<1.0	<10	14	25
S-1C	1	7/16/07	<10	5.7	78	0.61	<0.50	48	12	23	8.9	0.53	<2.0	94	<2.0	<1.0	<10	49	56
S-1C	4	7/16/07	<10	5.1	100	0.66	<0.50	42	11	22	8.6	0.88	<2.0	88	<2.0	<1.0	<10	42	64
SV-8	1	7/12/07	<10	3.1	41	<0.50	<0.50	27	1.7	4.5	9.6	0.17	<2.0	9.5	<2.0	<1.0	<10	19	25
SV-8	5	7/12/07	<10	4	31	<0.50	<0.50	29	1.4	3.4	<2.0	<0.020	<2.0	7.6	<2.0	<1.0	<10	20	15

Table 5
Summary of Soil VOCs Analytical Results
(Units are µg/kg)
Former Avila Tank Farm
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Boring ID	Depth (feet)	Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chlorotoluene	4-Chlorotoluene	Benzene	Bromobenzene	Bromo chloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene
S-50	1	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-50	5	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-50	10	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-47	1	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-47	5	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-47	10	07/11/07	<5.5	<2.2	<2.2	<2.2	<2.2	<5.5	<2.2	<5.5	<11	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<5.5	<5.5	<2.2	<5.5	<5.5	<5.5	<2.2
SV-1	1	07/11/07	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<11	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<5.3	<2.1
SV-1	5	07/11/07	<5.4	<2.2	<2.2	<2.2	<2.2	<5.4	<2.2	<5.4	<11	<5.4	<2.2	<5.4	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.4	<5.4	<2.2	<5.4	<5.4	<2.2	<5.4	<5.4	<5.4	<2.2
SV-1	10	07/11/07	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<11	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<5.3	<2.1
SV-2	1	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	2.6	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-2	5	07/11/07	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<2.0	<5.1	<10	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<5.1	<2.0
SV-2	10	07/11/07	<5.6	<2.2	<2.2	<2.2	<2.2	<5.6	<2.2	<5.6	<11	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<5.6	<5.6	<2.2	<5.6	<5.6	<5.6	<2.2
SV-3	1	07/11/07	<5.5	<2.2	<2.2	<2.2	<2.2	<5.5	<2.2	<5.5	<11	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<2.2	<5.5	<5.5	<2.2	<5.5	<5.5	<5.5	<2.2
SV-3	5	07/11/07	<5.6	<2.2	<2.2	<2.2	<2.2	<5.6	<2.2	<5.6	<11	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<2.2	<5.6	<5.6	<2.2	<5.6	<5.6	<5.6	<2.2
SV-3	10	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-4	1	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-4	5	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-4	10	07/11/07	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<5.2	<2.1
SV-5	1	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-5	5	07/11/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-5	10	07/11/07	<4.9	<1.9	<1.9	<1.9	<1.9	<4.9	<1.9	<4.9	<9.7	<4.9	<1.9	<4.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<1.9	<4.9	<4.9	<1.9	<4.9	<4.9	<4.9	<1.9
S-38A	1	07/16/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-38A	3	07/16/07	<4.7	<1.9	<1.9	<1.9	<1.9	<4.7	<1.9	<4.7	<9.5	<4.7	<1.9	<4.7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<1.9	<4.7	<4.7	<1.9	<4.7	<4.7	<4.7	<1.9
S-38B	1	07/16/07	<4.9	<2.0	<2.0	<2.0	<2.0	<4.9	<2.0	<4.9	<9.8	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<2.0	<4.9	<4.9	<2.0	<4.9	<4.9	<4.9	<2.0
S-38B	3	07/16/07	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<5.2	<2.1
S-40A	1	07/16/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<9.9	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
S-40A	3	07/16/07	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<11	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<5.3	<2.1
S-40B	1	07/16/07	<4.8	<1.9	<1.9	<1.9	<1.9	<4.8	<1.9	<4.8	<9.6	<4.8	<1.9	<4.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<4.8	<1.9	<4.8	<4.8	<1.9	<4.8	<4.8	<4.8	<1.9
S-40B	3	07/16/07	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<5.2	<2.1
SV-6	1	07/12/07	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<11	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<2.1	<5.3	<5.3	<5.3	<2.1
SV-6	5	07/12/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-6	10	07/12/07	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<2.1	<5.2	<5.2	<5.2	<2.1
SV-32	1	07/13/07	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<2.0	<5.1	<10	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<5.1	<2.0
SV-32	5	07/13/07	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<2.0
SV-32	10	07/13/07	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<2.0	<5.1	<10	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<2.0	<5.1	<5.1	<5.1	<2.0
SV-35	1																																

Table 5
Summary of Soil VOCs Analytical Results
(Units are µg/kg)
Former Avila Tank Farm
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[illegible]

Table 5
Summary of Soil VOCs Analytical Results
(Units are µg/kg)
Former Avila Tank Farm
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Boring ID	Depth (feet)	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Di-isopropyl Ether (DIPE)	Ethyl tert-Butyl Ether (ETBE)	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	m,p-Xylenes	Methylene chloride	Methyl-tert-butyl Ether (MTBE)	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Amyl Methyl Ether (TAME)	tert-Butanol (TBA)	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
S-50	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-50	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-50	10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-47	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-47	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-47	10	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<5.5	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<2.2	<5.5	<110	<5.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<4.4
SV-1	1	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.2
SV-1	5	<5.4	<2.2	<5.4	<2.2	<2.2	<2.2	<2.2	<5.4	<5.4	<5.4	<2.2	<5.4	<2.2	<2.2	<2.2	<5.4	<5.4	<5.4	<2.2	<2.2	<2.2	<5.4	<2.2	<5.4	<110	<5.4	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.4	<5.4	<4.3
SV-1	10	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.3
SV-2	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-2	5	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	<2.0	<2.0	<5.1	<2.0	<5.1	<100	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<4.1
SV-2	10	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<5.6	<5.6	<5.6	<2.2	<2.2	<2.2	<5.6	<2.2	<5.6	<110	<5.6	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<4.5
SV-3	1	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<5.5	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<2.2	<5.5	<110	<5.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<4.4
SV-3	5	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<5.6	<2.2	<5.6	<2.2	<2.2	<2.2	<5.6	<5.6	<5.6	<2.2	<2.2	<2.2	<5.6	<2.2	<5.6	<110	<5.6	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<5.6	<5.6	<4.5
SV-3	10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-4	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-4	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-4	10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	290	<2.1	<2.1	<5.2	1400	<5.2	210	<2.1	<2.1	110	<2.1	<5.2	<100	11	<2.1	2.7	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.2
SV-5	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-5	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-5	10	<4.9	<1.9	<4.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<4.9	<1.9	<4.9	<1.9	<1.9	<1.9	<4.9	<4.9	<4.9	<1.9	<1.9	<1.9	<4.9	<1.9	<4.9	<97	<4.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<3.9
S-38A	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-38A	3	<4.7	<1.9	<4.7	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<4.7	<1.9	<4.7	<1.9	<1.9	<1.9	<4.7	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<1.9	<4.7	<95	<4.7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<3.8
S-38B	1	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<2.0	<4.9	<98	<4.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<3.9
S-38B	3	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<100	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.2
S-40A	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
S-40A	3	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.2
S-40B	1	<4.8	2.7	<4.8	<1.9	<1.9	<1.9	<1.9	<4.8	<4.8	<4.8	<1.9	<4.8	<1.9	<1.9	<1.9	<4.8	<4.8	<4.8	<1.9	<1.9	<1.9	<4.8	<1.9	<4.8	<96	<4.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.8	<4.8	<3.9
S-40B	3	<5.2	4.4	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<100	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.2
SV-6	1	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.2
SV-6	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-6	10	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<100	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.1
SV-32	1	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	&															

Table 5
Summary of Soil VOCs Analytical Results
(Units are µg/kg)
Former Avila Tank Farm
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Boring ID	Depth (feet)	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Di-isopropyl Ether (DIPE)	Ethyl tert-Butyl Ether (ETBE)	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	m,p-Xylenes	Methylene chloride	Methyl-tert-butyl Ether (MTBE)	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Amyl Methyl Ether (TAME)	tert-Butanol (TBA)	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	
SV-51	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	43	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	11	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0
SV-51	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-52	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-52	5	<9.7	<3.9	<9.7	<3.9	<3.9	<3.9	<3.9	<9.7	<9.7	<9.7	<3.9	<9.7	<3.9	<3.9	<9.7	<9.7	<9.7	<9.7	<3.9	<3.9	<3.9	<9.7	<3.9	<9.7	<97	<9.7	<3.9	<3.9	<3.9	<3.9	<3.9	<9.7	<9.7	<7.8	
SV-53	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-53	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-54	2	<11	<4.2	<11	<4.2	<4.2	<4.2	<4.2	<11	<11	<11	<4.2	<11	<4.2	<4.2	<11	<11	<11	<11	<4.2	<4.2	<4.2	<11	<4.2	<11	<110	<11	<4.2	<4.2	<4.2	<4.2	<4.2	<11	<11	<8.5	
SV-54	5	<10	<4.0	<10	<4.0	<4.0	<4.0	<4.0	<10	<10	<10	<4.0	<10	<4.0	<4.0	<10	<10	<10	<10	<4.0	<4.0	<4.0	<10	<4.0	<10	<100	<10	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<10	<8.0	
S-48	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
S-48	5	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<2.0	<4.9	<99	<4.9	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<4.0	
S-48	10	<4.7	<1.9	<4.7	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<4.7	<1.9	<4.7	<1.9	<1.9	<19	<4.7	<4.7	<4.7	<1.9	<1.9	<1.9	<4.7	<1.9	<4.7	<94	<4.7	<1.9	<1.9	<1.9	<1.9	<4.7	<4.7	<3.8		
S-49	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
S-49	5	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<21	<5.2	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<100	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.2	
S-49	10	<4.6	<1.9	<4.6	<1.9	<1.9	<1.9	<1.9	<4.6	<4.6	<4.6	<1.9	<4.6	<1.9	<1.9	<19	<4.6	<4.6	<4.6	<1.9	<1.9	<1.9	<4.6	<1.9	<4.6	<93	<4.6	<1.9	<1.9	<1.9	<1.9	<1.9	<4.6	<4.6	<3.7	
SV-55	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-55	5	<5.5	<2.2	<5.5	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<5.5	<2.2	<5.5	<2.2	<2.2	<22	<5.5	<5.5	<5.5	<2.2	<2.2	<2.2	<5.5	<2.2	<5.5	<110	<5.5	<2.2	<2.2	<2.2	<2.2	<2.2	<5.5	<5.5	<4.4	
SV-55	10	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-56	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-56	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-56	10	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<4.9	<2.0	<2.0	<2.0	<4.9	<4.9	<4.9	<2.0	<2.0	<2.0	<4.9	<2.0	<4.9	<99	<4.9	<2.0	<2.0	<2.0	<2.0	<2.0	<4.9	<4.9	<4.0	
SV-57	1	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-57	5	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-58	2	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<99	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<4.0	
SV-58	5	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<21	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.2	
SV-60	1	<5.3	<2.1	<5.3	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<2.1	<5.3	<2.1	<2.1	<21	<5.3	<5.3	<5.3	<2.1	<2.1	<2.1	<5.3	<2.1	<5.3	<110	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<4.2	
SV-60	5	<500	<200	<500	<200	<200	<200	<200	<400	<500	<500	<200	<500	1800	<200	<2000	<500	<500	790	2900	<200	250	1300	<200	<500	<10000	<500	<200	<200	<200	<200	<200	<200	<500	<500	<400
SV-61	1	<5.1	<2.0	<5.1	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	<5.1	3.3	<2.0	<2.0	<5.1	<5.1	<5.1	<2.0	<2.0	<2.0	<5.1	<2.0	<5.1	<100	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	<5.1	<4.1	
SV-61	5	<2500	<1000	<2500	<1000	<1000	<1000	<1000	<2000	<2500	<2500	9800	<2500	4400	6800	<10000	<2500	11000	4300	6300	8700	3300	2800	<1000	<2500	<50000	<2500	<1000	<1000	<1000	<1000	<1000	<2500	<2500	16000	
SV-62	1	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<21	<5.2	<5.2	<5.2	<2.1	<2.1	<2.1	<5.2	<2.1	<5.2	<100	<5.2	<2.1	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<4.2	
SV-62	5	<24	<9.7	<24	<9.7	<9.7	<9.7	<9.7	<24	<24	<24	<9.7	<24	23	14	<97	<24	<24	<24	<9.7	34	<9.7	<24	<9.7	<24	<490	240	<9.7	<9.7	<9.7	<9.7	<9.7	<24	<24	48	
SV-63	1	<12	<4.9	<12	<4.9	<4.9	<4.9	<4.9	<12	<12	<12	42	<12	180	44	<49	<12	140	<12	290	22	19	31	<4.9	<12	<240	<12	<4.9	5.7	<4.9	<4.9	<4.9	<12	<12	66	
SV-63	5	<9.8	<3.9	<9.8	<3.9	<3.9	<3.9	<3.9	<9.8	<9.8	<9.8	47	<9.8	81	13	<9.8	<9.8	150	<9.8	100	4.1	44	45	<3.9	<9.8	<98	<9.8	<3.9	<3.9	<3.9	<3.9	<3.9	<9.8	<9.8	17	
S-1A	1	<4.9	<1.9	<4.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<4.9	<1.9	<4.9	<1.9	<1.9	<19	<4.9	<4.9	<4.9	<1.9	<1.9	<1.9	<4.9	<1.9	<4.9	<97	<4.9	<1.9	<1.9	<1.9	<1.9	<1.9	<4.9	<4.9	<3.9	
S-1A	3	<5.2	<2.1	<5.2	<2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<2.1	<5.2	<2.1	<2.1	<2																				

Table 6
Summary of Laboratory and Field Evidence Used to Prepare "Depth to Petroleum" Drawing
Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
10622-1	2	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. No indication of hydrocarbons.
10622-2	1.5	ZymaX	<10	56	250	306	18%	82%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
10622-3	2	ZymaX	<10	32	62	94			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
14638-1	2	ZymaX	<10	<10	14	14			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
14638-2	2	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
14638-3	2	ZymaX	6600	750	360	7710	95%	5%	Petroleum	Petroleum stained, petroleum odor.	Data available. Petroleum at 2 feet.
23632-1	2	ZymaX	<10	29	37	66			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
23632-2	1.5	ZymaX	<10	23	32	55			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
23632-3	1.5	ZymaX	<10	22	25	47			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-1	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-10	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-100	10	ZymaX	<10	200	240	440	45%	55%	Petroleum	Petroleum stain/odor starting at 10 feet.	Data available. Petroleum ≥ 10 feet.
B-101	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-102	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-103	10	ZymaX	<10	1000	1200	2200	45%	55%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
B-104	5	ZymaX	16	6300	3400	9716	65%	35%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
B-105	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-106	5	ZymaX	<10	61	73	134	46%	54%	Petroleum	Slight petroleum stain and odor at 2 feet.	Data available. Minor occurrence.
B-107	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-108	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-109	5	ZymaX	<10	23	<10	33			<100	No petroleum stain, slight odor.	Data available. Less than 100 ppm.
B-11	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-110	10	ZymaX	160	870	400	1430	72%	28%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
B-111	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-112	10	ZymaX	11	13	17	41			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-113	10	ZymaX	<10	78	120	198	39%	61%	Petroleum	No petroleum stain or odor.	Data available. Minor occurrence.
B-114	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-115	5	ZymaX	<10	83	270	353	24%	76%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
B-116	5	ZymaX	340	17000	9100	26440	66%	34%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	10	ZymaX	<10	3000	4200	7210	42%	58%	Petroleum		
B-117	5	ZymaX	240	1800	1000	3040	67%	33%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	10	ZymaX	20	97	50	167		34%	Petroleum		
B-118	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-119	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-12	10	ZymaX	880	1700	220	2800	92%	8%	Petroleum	Moderate staining and diesel fuel odor.	Data available. Field evidence of petroleum at 8 feet.
B-120	5	ZymaX	<10	<10	22	22			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-121	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-122	5	ZymaX	1100	20000	8200	29300	72%	28%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	10	ZymaX	600	5500	2000	8100	75%	25%	Petroleum		
B-123	5	ZymaX	<10	520	1100	1620	32%	68%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
	10	ZymaX	<10	<10	<10	<10			<100		
B-124	5	ZymaX	210	3000	950	4160	77%	23%	Petroleum	Slight petroleum odor starting at about 5 feet.	Data available. Field evidence of petroleum at 5 feet.
	10	ZymaX	110	430	140	680	79%	21%	Petroleum		
B-125	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-126	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	26	36			<100		

Table 6
Summary of Laboratory and Field Evidence Used to Prepare "Depth to Petroleum" Drawing
Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
B-127	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-128	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-129	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-13	10	ZymaX	<10	20	<10	20			<100	Slight odor at 5 feet, strong diesel odor at 10 feet.	Data available. Field evidence of petroleum at 5 feet.
B-130	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-131	5	ZymaX	52	320	93	465	80%	20%	Petroleum	Moderate petroleum odor starting at 5 feet.	Data available. Field evidence of petroleum at 5 feet.
B-132	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-133	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-134	5	ZymaX	<10	130	230	360	36%	64%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
B-135	5	ZymaX	<10	32	62	94			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-136	10	ZymaX	<10	<10	<10	<10			<100	Petroleum described in 5-ft sample.	Data available. Less than 100 ppm.
B-137	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-138	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-139	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-14	5	ZymaX	270	140	10	420	98%	2%	Petroleum	Slight odor at 5 feet, strong diesel odor at 10 feet.	Data available. Field evidence of petroleum at 3 feet.
B-140	5	ZymaX	37	290	100	427	77%	23%	Petroleum	Slight petroleum stain and odor at 10 feet	Data available. Petroleum at 5 feet.
	10	ZymaX	59	280	96	435	78%	22%	Petroleum		
B-141	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-142	5	ZymaX	<10	330	820	1150	29%	71%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
B-143-70	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-144-75	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-145	9	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-146	5	ZymaX	<10	7600	5200	12800	59%	41%	Petroleum	Petroleum stain and odor starting above 5 feet.	Data available. Petroleum at 4 feet.
	10	ZymaX	<10	21	<10	31			<100		
B-147	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-148	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-149	10	ZymaX	<10	13	65	78			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-15	10	ZymaX	400	2300	370	3070	88%	12%	Petroleum	Diesel fuel staining and odor above 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-150	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-151	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-152	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-153	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-154	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-155	5	ZymaX	<10	19	83	102	19%	81%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
B-156	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-157	10	ZymaX	<10	<10	<10	30			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-158	1	ZymaX	<10	11000	13000	24000	46%	54%	Petroleum	Asphalt at 2.5 feet, no odor.	Data available. No field evidence of petroleum. Asphalt.
	2.5	ZymaX	<10	890	1800	2690	33%	67%	Petroleum	No petroleum stain or odor.	
	4.5	ZymaX	<10	1500	2000	3500	43%	57%	Petroleum	No petroleum stain or odor.	
B-159	10	ZymaX	<10	<10	<10	30			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-16	10	ZymaX	<10	<10	<10	10			<100	Strong diesel fuel odor at 5 feet.	Data available. Less than 100 ppm.
B-160	10	ZymaX	<10	17	<10	17			<100	Slight petroleum odor at 10 feet.	Data available. Less than 100 ppm.
B-161	5	ZymaX	<10	<10	<10	30			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-162	10	ZymaX	<10	11	<10	11			<100	Slight petroleum odor at 10 feet.	Data available. Less than 100 ppm.
B-163	5	ZymaX	<10	16	<10	16			<100	Petroleum stain and odor starting above 5 feet.	Data available. Petroleum at 4 feet.
	10	ZymaX	77	1200	110	1387	92%	8%	Petroleum		
B-164	5	ZymaX	<10	<10	<10	<10			<100	Petroleum impacted soil reported just below asphalt.	Data available. Less than 100 ppm.
B-165	5	ZymaX	<10	200	330	530	38%	62%	Petroleum	Slight petroleum stain and odor at 5 feet.	Data available. Petroleum at 5 feet.
B-166	5.5	ZymaX	<10	110	97	207	53%	47%	Petroleum	Concrete to 5.5 feet. Petroleum impact below.	Data available. Petroleum at 6 feet.

Table 6
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Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
B-167-95	5	ZymaX	<10	110	180	290	38%	62%	Petroleum	Petroleum odor beginning at 6 feet.	Data available. Petroleum at 6 feet.
	10	ZymaX	<10	<10	<10	<10			<100		
B-168	5	ZymaX	<10	280	600	880	32%	68%	Petroleum	Artificial fill, no petroleum stain, no odor; slight odor at 10 feet.	Data available. Petroleum at 8 feet.
B-169	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-17	10	ZymaX	3100	8800	1800	13700	87%	13%	Petroleum	Petroleum stain/odor begin at 3-4 feet. Diesel fuel odor at 8 feet.	Data available. Petroleum at 4 feet.
B-170	5	ZymaX	<10	<10	<10	30			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-171	5	ZymaX	<10	<10	15	15			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-172	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-173	10	ZymaX	<10	<10	29	29			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-174	10	ZymaX	<10	<10	16	16			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-175	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-176	5	ZymaX	<10	29	31	60			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-177	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-178	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-179	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-18	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-180	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-181	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-182	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-183	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-184	5	ZymaX	<10	150	560	710	21%	79%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
B-185	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-186-56	5	ZymaX	<10	200	480	680	29%	71%	Asphalt	No petroleum stain or odor above 5 feet; strong odor and NAPL at 10 feet.	Petroleum at 6 feet.
	10	ZymaX	21	2400	1400	3821	63%	37%	Petroleum		
B-187	5	ZymaX	<10	530	1300	1830	29%	71%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
B-189	10	ZymaX	<10	<10	<10	<10			<100	Slight petroleum stain and odor reported at 5 and 10 feet.	Data available. Less than 100 ppm.
B-19	5	ZymaX	<10	<10	<10	<10			<100	Slight to moderate petroleum odor reported.	Data available. Less than 100 ppm.
B-190	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-191	10	ZymaX	<10	550	990	1540	36%	64%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
B-192	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-193	5	ZymaX	<10	<10	11	11			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-194	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-195	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-196	5	ZymaX	250	31000	12000	43250	72%	28%	Petroleum	NAPL and strong petroleum odor at 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-197	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-198	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-199	10	ZymaX	460	610	130	1200	89%	11%	Petroleum	Petroleum odor starting at 5 feet; moderate odor below.	Data available. Field evidence of petroleum at 4 feet.
B-2	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-20	10	ZymaX	<10	<10	<10	<10			<100	Slight to very slight petroleum odor reported.	Data available. Less than 100 ppm.
B-200	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-201	10.5	ZymaX	<10	<10	<10	<10			<100	Asphaltic debris in upper 3 feet. No petroleum stain or odor.	Data available. Less than 100 ppm.
B-202	5	ZymaX	<10	<100	<100	<100			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<100	<100	<100			<100		
B-203	6	ZymaX	460	24000	13000	37460	65%	35%	Petroleum	Petroleum stain and strong odor at 5 feet, NAPL and strong odor at 10 feet.	Data available. Field evidence of petroleum at 4 feet.
B-204-150	6	ZymaX	<10	<10	15	15			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10.5	ZymaX	<10	<10	<10	<10			<100		
B-205-120	10.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.

Table 6
Summary of Laboratory and Field Evidence Used to Prepare "Depth to Petroleum" Drawing
Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
B-206	10.5	ZymaX	<10	310	10	310	97%	3%	Petroleum	No petroleum stain, moderate odor at 5 feet; no stain/odor at 10 feet.	Data available. Petroleum ≥ 10 feet.
B-207	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-208	10	ZymaX	<10	<10	12	12			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-209	NA	ZymaX	First sample 11 feet						<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-21	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-210	NA	ZymaX	First sample 15.5 feet						<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-211	NA	ZymaX	First sample 11 feet						<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-212	NA	ZymaX	First sample 11 feet						<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-213-80	5	ZymaX	1200	6100	2400	9700	75%	25%	Petroleum	No petroleum stain, slight odor at 10 feet.	Data available. Petroleum at 4 feet.
	10	ZymaX	<10	190	84	284	69%	31%	Petroleum		
B-214	5	ZymaX	150	1700	400	2250	82%	18%	Petroleum	NAPL at 3 to 4 feet; moderate petroleum odor.	Data available. Petroleum at 4 feet.
	10	ZymaX	<10	<10	<10	<10			<100		
B-215	10	ZymaX	<10	<100	<100	<100			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-216	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-217	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-218	2.5	ZymaX	<10	210	530	740	28%	72%	Asphalt	Petroleum stain and odor starting at 3 feet.	Petroleum at 3 feet.
	7	ZymaX	170	620	220	1010	78%	22%	Petroleum		
B-219	5	ZymaX	420	8800	7700	16920	54%	46%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	8	ZymaX	870	9800	7300	17970	59%	41%	Petroleum		
	10	ZymaX	240	1300	950	2490	62%	38%	Petroleum		
B-22	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-220	5	ZymaX	400	1900	300	2600	88%	12%	Petroleum	Petroleum stain and odor starting at 4 feet.	Data available. Field evidence of petroleum at 3 feet.
	8	ZymaX	230	1400	200	1830	89%	11%	Petroleum		
	10	ZymaX	53	220	57	330	83%	17%	Petroleum		
B-221	5	ZymaX	<10	<10	<10	<10			<100		Data available. Less than 100 ppm.
B-223-85	5	ZymaX	<10	40	160	200	20%	80%	Asphalt	No petroleum stain or odor at 5 feet; slight odor at 10 feet.	Data available. Asphalt.
	10	ZymaX	22	30	10	52			<100		
B-23	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-24	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-25	10	ZymaX	<10	<10	<10	<10			<100	Slight to strong petroleum odor reported in upper 7 feet.	Field evidence of petroleum at 5 to 7 feet.
B-26	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-27	5	ZymaX	<10	1400	1700	3100	45%	55%	Petroleum	Strong petroleum odor starting at 5 feet.	Data available. Petroleum at 5 feet.
B-28	5	ZymaX	<10	<10	<10	<10			<100	Visible petroleum and strong odor between 5 and 10 feet.	Field evidence of petroleum at 8 feet.
B-29-50	10	ZymaX	2800	2500	540	5840	91%	9%	Petroleum	Stained, detergent(?) odor below 5 feet.	Data available. Field evidence of petroleum at 5 feet.
B-3	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-30	5	ZymaX	<10	300	110	410	73%	27%	Petroleum	Moderate petroleum odor at 5 feet. Oil observed at 7 feet.	Data available. Petroleum at 5 feet.
	10	ZymaX	510	1200	240	1950	88%	12%	Petroleum		
B-31	5	ZymaX	280	780	190	1250	85%	15%	Petroleum	Petroleum stain and odor starting at 2 feet.	Data available. Field evidence of petroleum at 2 feet.
B-32	5	ZymaX	1300	420	50	1770	97%	3%	Petroleum	Strong petroleum odor starting at 2 feet.	Data available. Field evidence of petroleum at 2 feet.
B-33	5	ZymaX	<10	<10	<10	<10			<100	Strong petroleum odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
B-34	5	ZymaX	230	4500	3600	8330	57%	43%	Petroleum	Slight petroleum odor above 5 feet. NAPL below 5 feet.	Data available. Field evidence of petroleum at 5 feet.
B-35-45R	5	ZymaX	130	5200	2400	7730	69%	31%	Petroleum	Moderate petroleum odor at 3 feet. NAPL below 6 feet.	Data available. Field evidence of petroleum at 4 feet.
B-35-70	5	ZymaX	200	3400	1400	5000	72%	28%	Petroleum	Moderate petroleum odor at 3 feet. NAPL below 6 feet.	Data available. Field evidence of petroleum at 5 feet.
B-36	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-37-70	5	ZymaX	<10	1600	1400	3000	53%	47%	Petroleum	No petroleum stain or odor.	Data available. Petroleum at 5 feet.
B-38	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-39	5	ZymaX	<10	17	36	53			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-4	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.

Table 6
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Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
B-40	5	ZymaX	100	240	10	340	97%	3%	Petroleum	Slight to moderate fuel odor above 5 feet.	Data available. Field evidence of petroleum at 4 feet.
	10	ZymaX	<10	<10	<10	<10			<100		
B-41	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-43	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-44	5	ZymaX	<10	35	34	69			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-45	5	ZymaX	<10	<10	<10	<10			<100	Slight to moderate petroleum odor reported.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-46	10	ZymaX	670	6700	1400	8770	84%	16%	Petroleum	Strong petroleum odor at 2 feet. NAPL at 5 feet.	Data available. Field evidence of petroleum at 2 feet.
B-47	5	ZymaX	210	4600	3100	7910	61%	39%	Petroleum	Petroleum stain with strong odor above 5 feet.	Data available. Field evidence of petroleum at 3 feet.
B-48	5	ZymaX	21	380	170	571	70%	30%	Petroleum	Strong petroleum odor and NAPL at 2 feet.	Data available. Field evidence of petroleum at 3 feet.
	10	ZymaX	<10	72	24	96			<100		
B-49	5	ZymaX	510	2500	340	3350	90%	10%	Petroleum	Petroleum stain with strong petroleum odor at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	10	ZymaX	240	1800	370	2410	85%	15%	Petroleum		
B-5	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-50	10	ZymaX	19	590	1600	2209	28%	72%	Asphalt	Petroleum stained, strong diesel odor.	Petroleum at 3 feet.
B-51	5	ZymaX	40	520	110	670	84%	16%	Petroleum	Moderate petroleum odor at 3 feet.	Data available. Field evidence of petroleum at 2 feet.
B-52	5	ZymaX	130	650	130	910	86%	14%	Petroleum	Petroleum stained with moderate diesel fuel odor at 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-53	5	ZymaX	350	1400	250	2000	88%	13%	Petroleum	Strong petroleum odor above 5 feet.	Data available. Field evidence of petroleum at 3 feet.
B-54	10	ZymaX	<10	33	12	45			<100	Petroleum stained with strong diesel odor above 5 feet.	Data available. Less than 100 ppm.
B-55	5	ZymaX	84	500	200	784	74%	26%	Petroleum	Moderate petroleum odor above 5 feet.	Data available. Field evidence of petroleum at 3 feet.
B-56	10	ZymaX	400	4600	1600	6600	76%	24%	Petroleum	Petroleum stain, strong diesel fuel odor, local NAPL above 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-57-65	10	ZymaX	<10	<10	<10	<10			<100	Moderate to strong petroleum odor above 5 feet, NAPL below.	Data available. Field evidence of petroleum at 4 feet.
B-58	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-59	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-6	5	ZymaX	<10	1500	960	2460	61%	39%	Petroleum	Area excavated during tank construction.	Removed during CSD Water Tank Construction.
	10	ZymaX	<10	46	38	84			<100		
B-60	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-61	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-62	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-63	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-64	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-65	10	ZymaX	16	14000	1100	15116	93%	7%	Petroleum	No petroleum stain, very slight odor reported at 5 feet.	Data available. Field evidence of petroleum at 8 feet.
B-66	5	ZymaX	120	1400	690	2210	69%	31%	Petroleum	Petroleum stain and very strong odor above 5 feet.	Data available. Field evidence of petroleum at 2 feet.
	10	ZymaX	<10	140	120	260	54%	46%	Petroleum		
B-67	5	ZymaX	<10	4600	100	4600	98%	2%	Petroleum	Strong petroleum odor at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
B-68	5	ZymaX	<10	140	10	140	93%	7%	Petroleum	Moderate petroleum odor at 5 feet, decreasing below.	Data available. Minor occurrence.
B-69	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-7	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-70	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-71	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-72	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-73	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-74	10	ZymaX	<10	260	120	380	68%	32%	Petroleum	Strong petroleum odor at 10 feet.	Data available. Petroleum at 10 feet.
B-75	10	ZymaX	<10	110	230	340	32%	68%	Petroleum	No petroleum stain or odor.	Data available. Petroleum ≥ 10 feet.
B-76	5	ZymaX	<10	980	430	1410	70%	30%	Petroleum	Moderate petroleum odor at 5 feet, increasing below.	Data available. Field evidence of petroleum at 4 feet.
B-77	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-78	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.

Table 6
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Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
B-79	5	ZymaX	110	250	110	470	77%	23%	Petroleum	Slight petroleum odor at 5 feet, increasing below, NAPL at 10 feet.	Data available. Field evidence of petroleum at 4 feet.
B-8	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	10	ZymaX	<10	<10	<10	<10			<100		
B-80	10	ZymaX	110	1600	700	2410	71%	29%	Petroleum	Petroleum stain, odor, NAPL at 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-81-90	5	ZymaX	260	14000	5200	19460	73%	27%	Petroleum	Petroleum stain, odor, NAPL at 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-82	10	ZymaX	62	89	21	172	88%	12%	Petroleum	Slight petroleum stain and odor at 5 and 10 feet.	Data available. Field evidence of petroleum at 9 feet.
B-83	10	ZymaX	<10	200	280	480	42%	58%	Petroleum	No petroleum stain, slight odor at 5 feet, decreasing below.	Data available. Petroleum ≥ 10 feet.
B-84	5	ZymaX	<10	1200	1200	2400	50%	50%	Petroleum	Moderate petroleum odor above 5 feet, decreasing below.	Data available. Field evidence of petroleum at 3 feet.
B-85	5	ZymaX	<10	<10	<10	<10			<100	Localized zones of petroleum staining and odor.	Data available. Less than 100 ppm.
B-86	5	ZymaX	51	1500	970	2521	62%	38%	Petroleum	No petroleum stain, moderate odor at 5 feet, increasing with NAPL at 10 feet.	Data available. Field evidence of petroleum at 4 feet.
B-87	10	ZymaX	160	3100	880	4140	79%	21%	Petroleum	No petroleum stain or odor at 5 feet; slight stain/odor at 10 feet.	Data available. Field evidence of petroleum at 8 feet.
B-88	5	ZymaX	<10	<10	23	33			<100	Strong petroleum odor at 5 feet, decreasing below.	Data available. Less than 100 ppm.
B-89	10	ZymaX	560	1600	370	2530	85%	15%	Petroleum	Moderate petroleum odor above 5 feet, NAPL below.	Data available. Field evidence of petroleum at 4 feet.
B-9	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-90	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-91	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-92	10	ZymaX	<10	23	76	99			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-93	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-94	5	ZymaX	<10	1100	2200	3300	33%	67%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
B-95	5	ZymaX	1200	24000	5800	31000	81%	19%	Petroleum	Petroleum stain and strong odor above 5 feet.	Data available. Field evidence of petroleum at 3 feet.
B-96	5	ZymaX	<10	3000	2500	5500	55%	45%	Petroleum	Petroleum stain with slight odor above 5 feet.	Data available. Field evidence of petroleum at 4 feet.
B-97	10	ZymaX	<10	240	130	370	65%	35%	Petroleum	Moderate petroleum odor at 5 feet, staining and odor below.	Data available. Minor occurrence.
B-98	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
B-99	5	ZymaX	<10	<10	12	12			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
BERM #6	0	ZymaX	<10	2000	9100	11100	18%	82%	Asphalt	Asphalt sample.	Data available. Asphalt.
BERM-1	0	ZymaX	<10	5500	29000	34500	16%	84%	Asphalt	Asphalt sample.	Data available. Asphalt.
BERM-2	0	ZymaX	<10	6400	36000	42400	15%	85%	Asphalt	Asphalt sample.	Data available. Asphalt.
BERM-3	0	ZymaX	<10	7300	36000	43300	17%	83%	Asphalt	Asphalt sample.	Data available. Asphalt.
BERM-4	0	ZymaX	<10	8100	23000	31100	26%	74%	Asphalt	Asphalt sample.	Data available. Asphalt.
BERM-5	0	ZymaX	<10	7700	28000	35700	22%	78%	Asphalt	Asphalt sample.	Data available. Asphalt.
GS-1	2.5	ZymaX	<10	15	87	102	15%	85%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	4	ZymaX	<10	49	190	239	21%	79%	Asphalt		
GS-3	2	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	ZymaX	<10	<10	12	12			<100		
	6	ZymaX	<10	<10	15	15			<100		
GS-4	6	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
GS-5	2.5	ZymaX	<10	110	720	830	13%	87%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
S-1	0.5	ZymaX	<10	<10	60	60			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	63	63			<100		
S-10	0.5	ZymaX	<10	68	260	328	21%	79%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	48	48			<100		
S-11	0.5	ZymaX	<10	25	200	225	11%	89%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	110	700	810	14%	86%	Asphalt		
S-11C	0.5	ZymaX	<10	130	580	710	18%	82%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	4300	12000	16300	26%	74%	Asphalt		
S-12	0.5	ZymaX	<10	47	760	807	6%	94%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-13	0.5	ZymaX	<10	20	280	300	7%	93%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	<10	<10			<100		

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			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
S-14	0.5	ZymaX	<10	21	110	131	16%	84%	Asphalt	No petroleum stain or odor.	Data available. Petroleum at 3 feet.
	2.5	ZymaX	<10	190	250	440	43%	57%	Petroleum	Petroleum stain with moderate odor at 2.5 feet	
S-15	0.5	ZymaX	<10	66	420	486	14%	86%	Asphalt	No petroleum stain or odor.	Data available. Petroleum at 3 feet.
	2.5	ZymaX	350	390	120	860	86%	14%	Petroleum	Petroleum stain with moderate odor at 2.5 feet	
S-16	0.5	ZymaX	<10	250	1700	1950	13%	87%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	150	570	720	21%	79%	Asphalt		
S-17	0.5	ZymaX	<10	30	170	200	15%	85%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	33	33			<100		
S-18	0.5	ZymaX	<10	370	1500	1870	20%	80%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	260	980	1240	21%	79%	Asphalt		
S-19	0.5	ZymaX	<10	230	950	1180	19%	81%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	16	80	96			<100		
S-2	0.5	ZymaX	<10	42	170	212	20%	80%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-20	0.5	ZymaX	<10	220	1300	1520	14%	86%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	480	2100	2580	19%	81%	Asphalt		
S-21	0.5	ZymaX	<10	500	2700	3200	16%	84%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	0	110	110	0%	100%	Asphalt		
S-22	0.5	ZymaX	<10	460	1500	1960	23%	77%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-23	0.5	ZymaX	<10	870	2000	2870	30%	70%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	210	530	740	28%	72%	Asphalt		
S-24	0.5	ZymaX	<10	29	160	189	15%	85%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	55	280	335	16%	84%	Asphalt		
S-25	0.5	ZymaX	<10	<10	54	54			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	20	20			<100		
S-26	0.5	ZymaX	<10	<10	25	25			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	14	14			<100		
S-27	0.5	ZymaX	<10	2400	11000	13400	18%	82%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27A	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27B	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27C	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27D	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27E	0.5	ZymaX	<10	<10	19	19			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27F	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-27G	0.5	ZymaX	<10	43	180	223	19%	81%	Asphalt	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
	2.5	ZymaX	<10	230	480	710	32%	68%	Petroleum	No petroleum stain or odor.	
S-28	0.5	ZymaX	<10	<10	16	16			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	<10	<10			<100		
S-29	0.5	ZymaX	<10	<10	36	36			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	<10	53	53			<100		
S-3	0.5	ZymaX	<10	<10	11	11			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	2.5	ZymaX	<10	25	130	155	16%	84%	Asphalt		

Table 6
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Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment	
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments		
S-30	0.5	ZymaX	<10	<10	36	36			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-31	0.5	ZymaX	<10	150	600	750	20%	80%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	12	51	51			<100			
S-32	0.5	ZymaX	<10	160	690	850	19%	81%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	120	600	720	17%	83%	Asphalt			
S-33	0.5	ZymaX	<10	520	1600	2120	25%	75%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-34	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	130	580	710	18%	82%	Asphalt			
S-35	0.5	ZymaX	<10	200	1200	1400	14%	86%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	230	1100	1330	17%	83%	Asphalt			
S-36	0.5	ZymaX	<10	42	200	242	17%	83%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	50	200	250	20%	80%	Asphalt			
S-37	0.5	ZymaX	<10	<10	17	17			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-38	0.5	ZymaX	<10	3000	6400	9400	32%	68%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-39	0.5	ZymaX	<10	1600	5900	7500	21%	79%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	28	82	110	25%	75%	Asphalt			
S-4	0.5	ZymaX	<10	170	1700	1870	9%	91%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	21	21			<100			
S-41	0.5	ZymaX	<10	<10	15	15			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-42	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-43	0.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-44	0.5	ZymaX	<10	12	63	75			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-45	0.5	ZymaX	<10	<10	57	57			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-46	0.5	ZymaX	<10	150	420	570	26%	74%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-5	0.5	ZymaX	<10	87	470	557	16%	84%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-6	0.5	ZymaX	<10	390	1200	1590	25%	75%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	360	1300	1660	22%	78%	Asphalt			
S-7	0.5	ZymaX	<10	53	330	383	14%	86%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	57	57			<100			
S-8	0.5	ZymaX	<10	240	1300	1540	16%	84%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	<10	<10	<10			<100			
S-9	0.5	ZymaX	<10	140	710	850	16%	84%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.	
	2.5	ZymaX	<10	11	46	57			<100			
SP-1	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
SP-2	9	ZymaX	67	140	34	241	86%	14%	Petroleum	No petroleum stain or odor.	Data available. Minor occurrence.	
SP-3	9	ZymaX	100	890	190	1180	84%	16%	Petroleum	Petroleum odor at 5 and 10 feet.	Data available. Field evidence of petroleum at 4 feet.	
SP-4	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
SP-5	NA	ZymaX	First sample 15 feet (petroleum)							<100	Petroleum stain with strong odor at 5 feet; NAPL at 8 feet.	Data available. Field evidence of petroleum at 4 feet.
SP-6	5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	
SP-7	10.5	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.	

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Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
SP-8	5	ZymaX	11	4100	1200	5311	77%	23%	Petroleum	Slight petroleum odor above 5 feet; NAPL at 10 feet.	Data available. Field evidence of petroleum at 4 feet.
	10	ZymaX	32	2800	780	3612	78%	22%	Petroleum		
SP-9	10	ZymaX	<10	<10	<10	<10			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-10-1	0.5	BC Labs	<0.2	12000	21000	33000	36%	64%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-10-2	1.5	BC Labs	<0.2	3.1	3.4	6.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-10-3	5	BC Labs	<0.2	2.9	1.6	4.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-10-4	1.5	BC Labs	<0.2	2	<1	2			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-11-1	1	BC Labs	<0.2	16000	28000	44000	36%	64%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-11-1	0.5	BC Labs	<0.2	8100	14000	22100	37%	63%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-11-2	1.5	BC Labs	<0.2	18	31	49			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-11-3	4.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-11-4	1.5	BC Labs	0.49	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-12-1	1	BC Labs	<0.2	4500	7200	11700	38%	62%	Petroleum	Soil sample with asphalt debris.	Data available. Asphalt.
STR-12-1	1.5	BC Labs	<0.2	5.7	6.1	11.8			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-12-2	4.5	BC Labs	<0.2	4.9	2.4	7.3			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-12-3	1.5	BC Labs	<0.2	4.5	2.2	6.7			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-13-1	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-13-1	0.5	BC Labs	580	36000	39000	75580	48%	52%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-13-2	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-13-3	5.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-13-4	1.5	BC Labs	<0.2	9.1	51				<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-14-1	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-14-1	0.5	BC Labs	12	4000	3500	7512	53%	47%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-14-2	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-14-3	4	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-14-4	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-2-1	1.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-2-2	7	BC Labs	<0.2	0.65	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-2-3	1.5	BC Labs	<0.2	0.66	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-3-1	1.5	BC Labs	<0.2	0.65	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-3-2	5.5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-3-3	1.5	BC Labs	<0.2	0.62	2.5	3.12			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-4-1	1	BC Labs	19	3100	2400	5519	57%	43%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-4-2	1.5	BC Labs	<0.2	640	730	1370	47%	53%	Petroleum	Soil sample with asphalt debris.	Data available. Asphalt.
STR-4-3	2.5	BC Labs	<0.2	13	19	32			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-4-4	2.5	BC Labs	<0.2	9.8	22	31.8			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-5-1	0.5	BC Labs	<0.2	8000	13000	21000	38%	62%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-5-2	1.5	BC Labs	<0.2	0.58	<1	0.58			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-5-3	1.5	BC Labs	<0.2	0.64	0.5	1.14			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-5-4	1.5	BC Labs	<0.2	250	880	1130	22%	78%	Asphalt	Soil sample with asphalt debris.	Data available. Asphalt.
STR-5-5	5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-6-1	0.5	BC Labs	130	37000	31000	68130	54%	46%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-6-2	1.5	BC Labs	<0.2	4.6	5.1	9.7			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-6-3	5	BC Labs	<0.2	2.8	1.6	4.4			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-6-4	1.5	BC Labs	<0.2	3.4	7.6	11			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-6-5	1	BC Labs	<0.2	8500	14000	22500	38%	62%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-7-1	0.5	BC Labs	1.6	17000	21000	38001.6	45%	55%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-7-2	1.5	BC Labs	<0.2	0.57	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-7-3	5	BC Labs	<0.2	<1	<1	<1			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-7-4	1.5	BC Labs	<0.2	0.72	1.8	2.52			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.

Table 6
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Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
STR-8-1	0.5	BC Labs	3.6	22000	31000	53003.6	42%	58%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-8-2	1.5	BC Labs	<0.2	6.5	10	16.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-8-3	8	BC Labs	<0.2	4.1	1.2	5.3			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-8-4	1.5	BC Labs	<0.2	4.9	4.9	9.8			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-9-1	0.5	BC Labs	2.8	1100	1500	2602.8	42%	58%	Petroleum	Asphalt sample.	Data available. Asphalt.
STR-9-2	1.5	BC Labs	<0.2	3.9	3	6.9			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-9-3	1.5	BC Labs	<0.2	2.6	5.9	8.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
STR-9-4	5	BC Labs	<0.2	2.5	1.2	3.7			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
S-50	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
S-47	1	TestAmerica	<7	<7	<7	<7			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-01	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-02	1	TestAmerica	<7	177.1	136	313.1	57%	43%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-03	1	TestAmerica	<7	<7	<7	<7			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-04	1	TestAmerica	<7	62	98	160	39%	61%	Petroleum	Petroleum stain and odor starting at 3.5 feet.	Data available. Field evidence of petroleum at 3.5 feet.
	5	TestAmerica	<18	874	596	1470	59%	41%	Petroleum		
	10	TestAmerica	290	6200	2190	8680	75%	25%	Petroleum		
SV-05	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
S-38A	1	TestAmerica	<3.5	<3.5	9.5	9.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	3	TestAmerica	<3.5	<3.5	8.2	8.2			<100		
S-38B	1	TestAmerica	<3.5	<3.5	9	9			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	3	TestAmerica	<7	121	212	333	36%	64%	Petroleum		
S-40A	1	TestAmerica	<3.5	169	210	379	45%	55%	Petroleum	No petroleum stain or odor. Asphalt at surface.	Data available. No field evidence of petroleum. Asphalt.
	3	TestAmerica	<3.5	72.1	124	196.1	37%	63%	Petroleum		
S-40B	1	TestAmerica	<3.5	35.7	131	166.7	21%	79%	Asphalt	No petroleum stain or odor. Asphalt at surface.	Data available. Asphalt.
	3	TestAmerica	<3.5	<3.5	8.4	8.4			<100		
SV-06	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-32	1	TestAmerica	<3.5	<3.5	5.9	5.9			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-35	1	TestAmerica	<70	3390	1320	4710	72%	28%	Petroleum	Petroleum stain and odor starting at 2 feet.	Data available. Field evidence of petroleum at 2 feet.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-36	1	TestAmerica	<35	8150	4270	12420	66%	34%	Petroleum	Petroleum stain and strong odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	5	TestAmerica	<7	364	381	745	49%	51%	Petroleum		
SV-37	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-38	1	TestAmerica	<7	347	448	795	44%	56%	Petroleum	No petroleum stain or odor.	Data available. No field evidence of petroleum. Asphalt.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		

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Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
SV-41	1	TestAmerica	<3.5	39.7	105	144.7	27%	73%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-45	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	53.6	109	162.6	33%	67%	Petroleum		
SV-50	1	TestAmerica	<3.5	170.2	410	580.2	29%	71%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	5	TestAmerica	<3.5	14.2	49.3	63.5			<100		
SV-51	1	TestAmerica	<3.5	3.6	18.6	22.2			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-52	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-53	1	TestAmerica	<3.5	4.5	35.4	39.9			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-54	2	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	Asphalt filled fractures.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
S-48	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
S-49	1	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-55	1	TestAmerica	<7	0	17.8	17.8			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	5.5	5.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-56	1	TestAmerica	<7	0	0	0			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
	10	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-57	1	TestAmerica	<3.5	3.6	20.4	24			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-58	2	TestAmerica	<3.5	93.4	141	234.4	40%	60%	Petroleum	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	5	TestAmerica	<7	70	253	323	22%	78%	Asphalt		
SV-60	1	TestAmerica	<18	540	860	1400	39%	61%	Petroleum	Petroleum stain and odor starting at 2.5 feet.	Data available. Field evidence of petroleum at 2.5 feet.
	5	TestAmerica	230	2178	235	2643	91%	9%	Petroleum		
SV-61	1	TestAmerica	<3.5	<3.5	4.4	4.4			<100	Petroleum stain and odor starting at 3 feet.	Data available. Field evidence of petroleum at 3 feet.
	5	TestAmerica	450	5080	1000	6530	85%	15%	Petroleum		
SV-62	1	TestAmerica	<35	11170	5870	17040	66%	34%	Petroleum	Petroleum stain and odor starting at 1.5 feet.	Data available. Field evidence of petroleum at 1.5 feet.
	5	TestAmerica	<440	12380	3680	16060	77%	23%	Petroleum		
SV-63	1	TestAmerica	<18	2058	1390	3448	60%	40%	Petroleum	Petroleum stain and odor starting at 2 feet.	Data available. Field evidence of petroleum at 2 feet.
	5	TestAmerica	4.9	44.4	39.9	89.2			<100		
S-1A	1	TestAmerica	<3.5	<3.5	4.9	4.9			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	3	TestAmerica	<3.5	<3.5	45.3	45.3			<100		
S-1B	1	TestAmerica	<3.5	26.7	85	111.7	24%	76%	Asphalt	No petroleum stain or odor	Data available. Asphalt.
	4	TestAmerica	<3.5	20.3	59.1	79.4			<100		
S-1C	1	TestAmerica	<3.5	<3.5	31.3	31.3			<100	No petroleum stain or odor.	Data available. Less than 100 ppm.
	4	TestAmerica	<3.5	<3.5	27	27			<100		
SV-08	1	TestAmerica	<3.5	66.1	183	249.1	27%	73%	Asphalt	No petroleum stain or odor.	Data available. Asphalt.
	5	TestAmerica	<3.5	<3.5	<3.5	<3.5			<100		
SV-07	No Laboratory Data									No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-09	No Laboratory Data									No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-10	No Laboratory Data									No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-11	No Laboratory Data									No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-12	No Laboratory Data									No petroleum stain or odor.	No data available. No field evidence of petroleum.

Table 6
Summary of Laboratory and Field Evidence Used to Prepare "Depth to Petroleum" Drawing
Former Avila Tank Farm

Object Identification	Sample Depth (feet)	Lab	Geochemical Evidence							Field Evidence	Final Interpretation/Comment
			C4-C10 (mg/kg)	C10-C25 (mg/kg)	C25-C40 (mg/kg)	C4-C40 (mg/kg)	%C4-C25	%C25-C40	Interpretation	Field Observations/Comments	
SV-13		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-14		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-15		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-16		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-17		No Laboratory Data								Petroleum stain and odor starting at 6 feet.	No data available. Field evidence of petroleum at 6 feet.
SV-18		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-19		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-20		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-21		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-22		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-23		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-24		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-25		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-26		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-27		No Laboratory Data								Slight petroleum odor at 3 feet.	No data available. Field evidence of petroleum at 3 feet.
SV-28		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-29		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-30		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-31		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-33		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-34		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-39		No Laboratory Data								Petroleum stain and odor starting at 5 feet.	No data available. Field evidence of petroleum at 5 feet.
SV-40		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-42		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-43		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-44		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-46		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-47		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-48		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-49		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-59		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-64		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-65		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-66		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-67		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-68		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-69		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.
SV-70		No Laboratory Data								No petroleum stain or odor.	No data available. No field evidence of petroleum.

Figures



Explanation

- Nested Soil Gas Probe
- Nested Soil Gas Probe with Soil Sample Collection to 5'
- Nested Soil Gas Probe with Soil Sample Collection to 10'
- Boring with Soil sample Collection to 10'
- Samples Collected and Analyzed for One or More COPCs at Depths of = 10 ft
- Ground Water Monitoring Well
- Soil Sample
- Asphalt Sample
- Soil Gas Monitoring Probe
- Approximate Site Boundary
- Diesel / Gas / Crude Oil Pipeline
- Storage Tanks / Areas
- Initial Evaluation Area

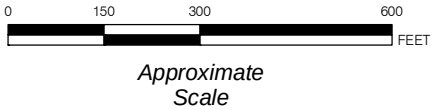


FIGURE 1

**SITE PLAN SHOWING SITE FEATURES
AND SAMPLING LOCATIONS**

FORMER AVILA TANK FARM
AVILA BEACH, CALIFORNIA

PREPARED FOR
CHEVRON CORPORATION
SAN LUIS OBISPO, CALIFORNIA





Explanation

-  Approximate Extent of Asphalt Treatment for Weed/Erosion Control
-  Approximate Site Boundary

NOTE: AREA OF WEED/EROSION ABATEMENT TREATMENT AREAS IS BASED ON HISTORIC AERIAL PHOTOGRAPHS AND ENGINEERING DRAWINGS.

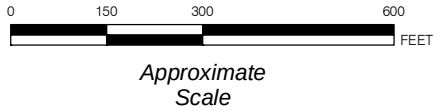
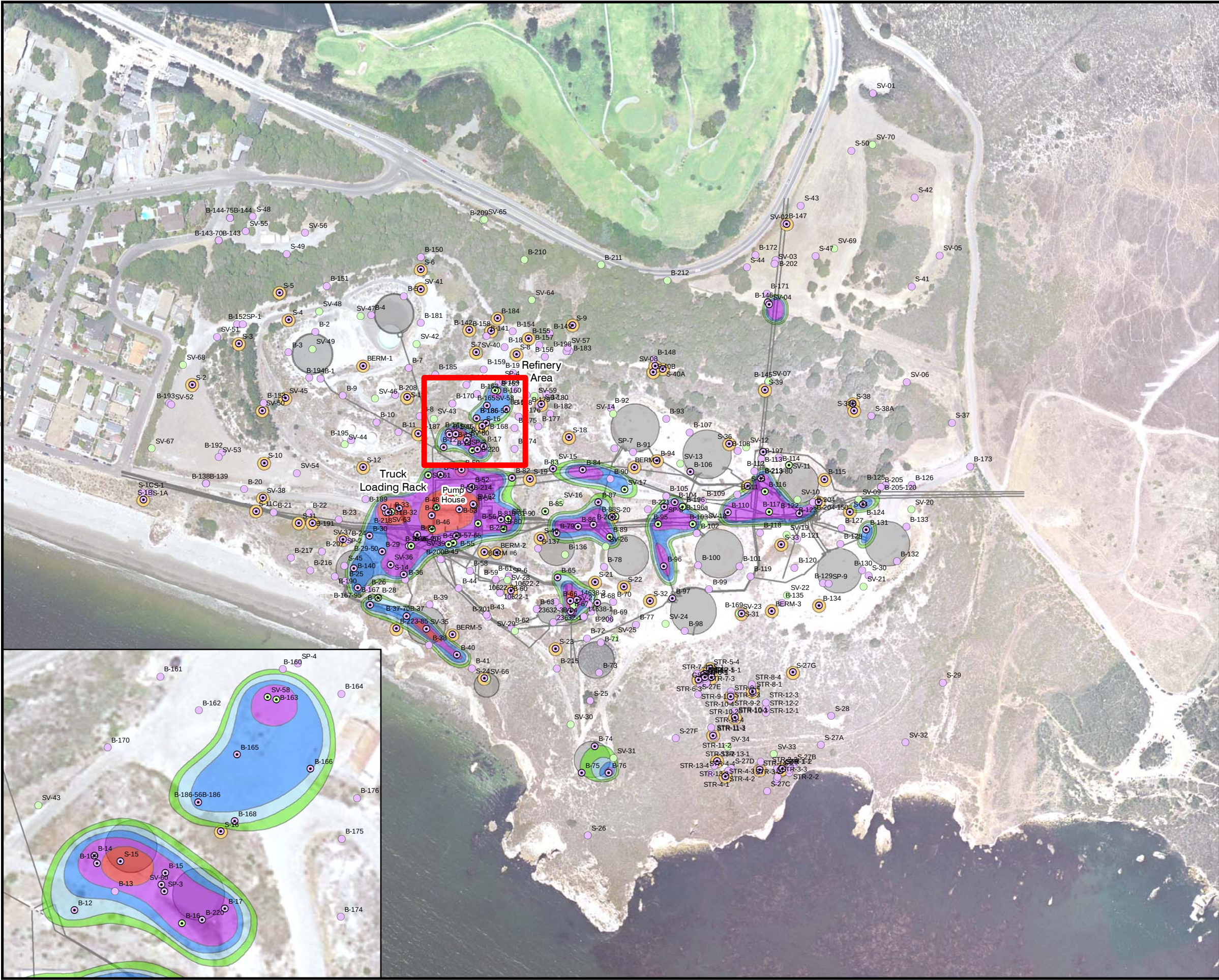


FIGURE 2
APPROXIMATE EXTENT OF ASPHALT TREATMENT FOR WEED/EROSION CONTROL
FORMER AVILA TANK FARM
AVILA BEACH, CALIFORNIA
PREPARED FOR
CHEVRON CORPORATION
SAN LUIS OBISPO, CALIFORNIA





LEGEND

Hydrocarbons present above 10' bgs

Analytical Data Available

Boring Log Observations

No indication of hydrocarbons above 10' bgs

Analytical Data Available

Boring Log Observations

Evidence of Petroleum in Top 10 ft

>100 mg/kg within 2ft of surface

>100 mg/kg within 4ft of surface

>100 mg/kg within 6ft of surface

>100 mg/kg within 8ft of surface

>100 mg/kg within 10ft of surface

Hydrocarbon ratio/Observation indicates asphalt (>100 mg/kg)

Diesel / Gas / Crude Oil Pipeline

Storage Tanks / Areas

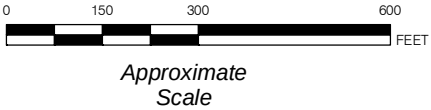


FIGURE 3

**SITE PLAN SHOWING ESTIMATED
DEPTH TO PETROLEUM**

FORMER AVILA TANK FARM
AVILA BEACH, CALIFORNIA

PREPARED FOR
CHEVRON CORPORATION
SAN LUIS OBISPO, CALIFORNIA



Attachment 1

*CD Containing PDF Versions of
Analytical Laboratory Reports*