

T E C H N I C A L M E M O R A N D U M

TO: Chris Wend – Washington Department of Ecology (by mail and email)

cc: Merv Wark – Former Owner/Operator, Yakima Steel Fabricators, Inc. (by email)
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FROM: Eric Buer, L.G., L.H.G., Associate Hydrogeologist
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DATE: November 14, 2018

RE: **CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
AGRI-TECH AND YAKIMA STEEL FABRICATORS SITE
YAKIMA STEEL FABRICATORS
YAKIMA, WASHINGTON
AGREED ORDER NO. DE 6091
FARALLON PN: 765-001**

Farallon Consulting, L.L.C. (Farallon) has prepared this technical memorandum to provide the Washington State Department of Ecology (Ecology) with a conceptual site model (CSM) for the property at 6 and 10½ East Washington Avenue in Yakima, Washington (herein referred to as the Site) (Figure 1). The CSM presented in this technical memorandum will support completion of a Feasibility Study for the Site. Farallon has prepared this technical memorandum on behalf of Yakima Steel Fabricators, Inc. (YSF) for the YSF and Agri-Tech, Inc. (Agri-Tech) properties that make up the Site (Figure 2).

The work described in this technical memorandum was performed to meet the requirements of *Agreed Order No. DE 6091* entered into by Ecology and YSF pursuant to the authority of the Washington State Model Toxics Control Act (MTCA) dated October 27, 2008 (Agreed Order), and the *First Amendment to Agreed Order No. DE 6091* dated October 17, 2016. This technical memorandum includes a brief description of the Site and adjacent properties; discussion of confirmed source areas on the Site; identification of constituents of concern (COCs) and their fate and transport; an exposure assessment; proposed cleanup levels; and points of compliance.

BACKGROUND

This section summarizes relevant background information on the historical Site use and use of the west-adjacent Bay Chemical property.



YSF AND AGRI-TECH SITE DESCRIPTION AND HISTORICAL USAGE

The Site consists of Yakima County Tax Parcel Nos. 19133141009 and 19133141409, which total 6.24 acres of land (Figure 2). Two structures currently are present at the Site: one single-story building currently used for steel fabrication and business offices on the YSF property (YSF building); and one single-story warehouse building on the Agri-Tech property (Agri-Tech building). The areas east and south of the YSF building are used for storage of steel and equipment. Currently, the Agri-Tech building is leased by the operator of YSF for steel fabrication operations.

Historical Site uses include the following (Attachment A, Figure 3):

- Construction and operation of a lime and sulfur formulating plant by Yakima Farmers Supply on the Agri-Tech property from approximately 1960 through 1971. The formulating plant was demolished between 1978 to 1982.
- Operation of a fruit packing supplies and equipment company on the Agri-Tech property from 1982 through 1989.
- Operation of a steel fabrication facility on the YSF property from approximately 1980 to the present.

Additional discussion of historical Site uses is provided in the *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel Fabricators, 6 and 10 ½ East Washington Avenue, Yakima Washington* dated June 10, 2004, prepared by Farallon for Yakima Steel Fabricators (Farallon 2004) (Revised RI Report); and the technical memorandum regarding Metals Source Evaluation, Agri-Tech and Yakima Steel Fabricators Site, Yakima Steel Fabricators, Yakima, Washington dated June 9, 2017, from Messrs. Eric Buer and Jeff Kaspar of Farallon to Mr. Chris Wend of Ecology (Farallon 2017a) (Metals Source TM).

Based on the historical Site uses and physical characteristics, four areas of investigation have been established on the Site (Figure 2):

- Area 1 includes the former Yakima Farmer Supply lime and sulfur processing plant, and the area of the processing plant's waste pit (also referred to as the Area 1 waste pit).
- Area 2 includes the central and eastern portions of the YSF property between the YSF building and the east-adjacent automobile recycling facility, and is suspected to have included stockpiles of bulk lime and sulfur.
- Area 3 includes the portion of the Site south and southwest of the YSF building. Ecology identified Area 3 as a potential area of metals contamination due to historical activities at the west-adjacent Bay Chemical Company property. Area 3 also includes the Site wetland buffer area.
- Area 4 includes the topographically distinct (i.e., 3 to 5 feet below the surrounding Site topography) wetland on the southern portion of the Site. Area 4 has unique environmental conditions, including seasonal standing water and saturated surface soil, and is subject to sediment criteria that do not apply to other portions of the Site.



BAY CHEMICAL SITE DESCRIPTION AND HISTORICAL USAGE

The property west-adjacent to the Site, Yakima County Tax Parcel No. 19133141010, previously was owned by Northern Pacific Railroad, predecessor of current owner, Burlington-Northern Santa Fe Railroad (BNSF) (Figure 2). This property was leased to Bay Chemical Company, a manufacturer of soil micronutrients, from 1963 to late 1975 or early 1976. The BNSF-leased property makes up a portion of the Former Bay Chemical site (herein referred to as the Bay Chemical site), an Ecology-listed facility.

The Bay Chemical Company manufactured liquid zinc sulfate by reacting dry steel mill flue dust and sulfuric acid in wooden mixing tanks. Additional detail regarding Bay Chemical zinc sulfate production practices is provided in the Metals Source TM.

According to the *Former Bay Chemical Site Remedial Investigation Report, Volume 1* dated March 1997, prepared by ERC/Pacific Groundwater Group (1997) (Bay Chemical RI Report), metals associated with the flue dust at the Bay Chemical site included arsenic, antimony, cadmium, chromium, copper, lead, manganese, mercury, and zinc. These metals have been detected in soil and groundwater at the Bay Chemical site and at the Site (Attachment A, Figure 12; Attachment B, Table 7, respectively).

CONCEPTUAL SITE MODEL

This section identifies confirmed source areas of constituents of potential concern (COPCs) that have affected media of concern, including soil, groundwater, and sediment. The nature and extent of contamination, and contaminant fate and transport mechanisms, are also identified and/or discussed.

CONFIRMED SOURCE AREAS

Data collected as part of the remedial investigation (RI) indicate that multiple source areas of COPCs that have affected soil, sediment, and groundwater are present on the Site, off the Site within the Yakima Railroad Area (YRRA), and on the adjacent Bay Chemical site. Source areas that apply to each Area within the Site are discussed below. Additional details describing the nature and extent of COPCs identified during the RI are provided in the Revised RI Report. RI tables and figures are provided in Attachment A. Supplemental sampling of soil, groundwater, and sediment was conducted at the Site in 2011. Preliminary tables summarizing the results of the 2011 supplemental sampling event were provided to Ecology in July and August 2011 and are presented in Attachment B. Chain of Custody forms and laboratory analytical reports from the 2011 supplemental sampling event are also provided in Attachment B. The 2011 investigation and sampling results will be summarized in the Feasibility Study in accordance with the Agreed Order.

Area 1: Yakima Farmer Supply Waste Pit and Processing Plant

Confirmed source areas in Area 1 include the former waste pit constructed by Yakima Farmer Supply (Attachment A, Figure 3). Soil analytical data indicate that volatile organic compounds (VOCs) and chlorinated pesticides are present in soil at concentrations that exceed their respective cleanup levels for soil (Attachment A, Figures 9 and 10, Table 2). Halogenated volatile organic compounds (HVOCs), including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-



dichloroethene (DCE), and vinyl chloride, were detected at concentrations that exceed their respective cleanup levels in groundwater samples collected from monitoring well WDOE-6, which is within the boundaries of the waste pit (Attachment A, Figure 20). HVOCs, including PCE, TCE, cis-1,2-DCE, and vinyl chloride, were also detected at concentrations that exceed their respective cleanup levels in groundwater samples collected from monitoring wells MW-2 and MW-6, down-gradient of the waste pit (Attachment A, Figure 9). These data indicate that the northern portion of the waste pit is a source of HVOCs to shallow groundwater.

The results of the Bay Chemical site cleanup confirmed the conclusion of the Bay Chemical RI Report that metals from the Bay Chemical site previously encroached upon the Site. The Bay Chemical site cleanup in Area 1 was terminated where the buildings were present and where the waste pit materials were encountered.

PCE concentrations in groundwater exceed the cleanup level at monitoring well MW-1; no source has been identified in the overlying soil (Attachment A, Figure 21). Groundwater samples from monitoring well MW-1 have consistently contained concentrations of PCE and associated degradation products since monitoring began, indicating that an up-gradient source of dissolved-phase PCE exists. Ecology has historically agreed that these constituents may be associated with one or more of the up-gradient YRRA facilities north of the Site.

Area 2: Bulk Lime and Sulfur Stockpiles

No source areas of COPCs have been identified for Area 2. Soil analytical results for HVOCs and pesticides are less than cleanup levels for soil. The observed HVOC concentrations in soil were not high enough or deep enough to be a source of HVOCs to groundwater in Area 2.

PCE periodically was detected at concentrations that exceed the cleanup level of 5 micrograms per liter ($\mu\text{g}/\text{l}$) in groundwater samples collected from monitoring well MW-3 (Attachment A, Figure 19). Monitoring well MW-3 is cross-gradient of the waste pit and its associated down-gradient monitoring wells MW-2 and MW-6. HVOC degradation compounds, including TCE, cis-1,2-DCE, and vinyl chloride, were reported non-detect at the laboratory practical quantitation limit (PQL) in the groundwater samples collected from monitoring well MW-3. Monitoring well MW-3 is screened at a depth between 9 and 29 feet below ground surface (bgs). These data suggest the HVOC impacts to groundwater in Area 2 are associated with an unknown up-gradient source, possibly associated with the YRRA PCE plume.

Area 3: South Site

The west-adjacent Bay Chemical site had been identified as a source of metals contamination in soil at Area 3 (Farallon 2004, 2017a). Cadmium, lead, manganese, and zinc were detected at concentrations exceeding their respective cleanup levels for soil (Attachment A, Figure 3). The west-adjacent Bay Chemical site is a documented source of cadmium, lead, zinc, and other heavy metals associated with dry steel mill flue dust used in production of zinc sulfate.

Wind transport of flue dust and metals-laden settling pond sludge onto the Site occurred throughout the period of active operation on the Bay Chemical site (Farallon 2017a). Overflow



from the Bay Chemical site settling pond, as noted in the Bay Chemical RI Report, resulted in transport of settling pond sludge and metals-contaminated water onto the southern portion of the Site at the wetland (Area 4) and the south-adjacent drainage/irrigation ditch, contaminating Site soils.

Total petroleum hydrocarbons as diesel-range organics (DRO) were detected at a concentration that exceeded the cleanup level of 2,000 milligrams per kilogram (mg/kg) in the soil sample collected from test pit I-TP3 at a depth of 3 feet bgs. DRO was reported non-detect at the laboratory PQL in the soil sample collected from test pit I-TP3 at a depth of 7 feet bgs (Attachment B, Table 1). DRO was reported non-detect at the laboratory PQL in the soil samples collected from test pits I-TP4 and I-TP6. The soil sampling data from test pit I-TP3 indicate a localized shallow source area of DRO is present at I-TP3. No other confirmed COPC source areas have been identified for Area 3.

Area 4: Wetland

As noted above, the west-adjacent Bay Chemical site has been identified as a source of metals contamination to sediment in Area 4 (Farallon 2017a, 2017b). Cadmium was detected at concentrations that exceeded the sediment cleanup screening level of 5.4 mg/kg in three sediment samples collected from Area 4 (Attachment C, Table 1; Attachment C, Figure 4). A fourth sediment sample collected from Area 4 exceeded the sediment cleanup objective of 2.1 mg/kg. No other COPC source areas have been identified for Area 4.

CONTAMINANT FATE AND TRANSPORT

This section includes a discussion of the fate and transport characteristics of the COPCs identified in the affected media at the Site that are relevant to the evaluation of potentially feasible remedial technologies.

Volatile Organic Compounds

Groundwater analytical data indicate very slow leaching of HVOCs from the soil matrix within the Area 1 waste pit to groundwater (Figure 3). The PCE identified in soil beneath the Agri-Tech building is present at relatively high concentrations, and is in direct contact with groundwater. The estimated extent of HVOCs in soil exceeding cleanup levels is shown on Figure 4. Based on soil concentrations, concentrations of PCE in groundwater should exceed those observed at monitoring well WDOE-6 within the waste pit, and down-gradient of monitoring wells MW-2 and MW-6. The estimated extent of HVOCs in groundwater exceeding cleanup levels based on the most-recent groundwater monitoring event (June 2011) is shown on Figure 5. Farallon previously evaluated VOC contributions to groundwater using Ecology cleanup level calculation spreadsheets for soil in direct contact with groundwater. The predicted concentrations of VOCs in groundwater using the Ecology spreadsheets exceed the empirical data for monitoring wells WDOE-6, MW-2, and MW-6 (Farallon 2004).

Farallon's analysis and groundwater monitoring data indicate that the VOC contribution to groundwater from the Area 1 waste pit is negligible and is not resulting in an exceedance of relevant cleanup levels. Furthermore, the soil and groundwater analytical data indicate that natural attenuation of PCE is occurring in the waste pit, as indicated by the presence of PCE degradation



products in groundwater samples collected from monitoring wells WDOE-6, MW-2, and MW-6 (Figure 3). Shallow monitoring wells MW-2, MW-6, and MW-7A are immediately down-gradient of the source of VOCs at the waste pit and historically have contained concentrations of VOCs that have been less than the laboratory PQL, further supporting the supposition that the contribution of contaminant mass from the source of VOCs at the waste pit is minimal.

Water quality and geochemical parameters indicate that conditions in the waste pit, and in the southern portion of Area 3 up-gradient of the Site wetland (Area 4), appear to be conducive to reductive dechlorination of PCE via biodegradation (Attachment A, Table 13). Reductive dechlorination actively degrades PCE to vinyl chloride and eventually to nonhazardous ethene and ethane. Groundwater monitoring performed in June 2011 confirmed that reductive chlorination is ongoing in Site groundwater (Figure 3).

PCE and TCE that are not fully dechlorinated and degraded before being transported into more aerobic groundwater conditions outside the waste pit are subsequently transported down-gradient of, and comingled with, the dissolved-phase plume attributed to an off-Site source within the YRRA. DCE isomers and vinyl chloride that migrate from the waste pit prior to complete anaerobic degradation appear to be degraded aerobically along the groundwater flow path. Concentrations of breakdown products consistently have been less than the cleanup levels for groundwater at down-gradient Site monitoring wells MW-4, MW-5, MW-7A, MW-7B, MW-10, and MW-11 (Figure 3).

The monitoring well pair MW-7A and MW-7B were installed to assess the vertical distribution of VOCs in groundwater on the southern portion of the Site. Monitoring well MW-7A is constructed with a well screen at a depth of 5 to 15 feet bgs. Monitoring well MW-7B is constructed with a well screen at a depth of 25 to 30 feet bgs. Cis-1,2-DCE is the only HVOC detected at monitoring well MW-7A; and PCE, TCE, and cis-1,2-DCE have been detected in groundwater at deep monitoring well MW-7B (Figure 3).

VOCs were not detected at concentrations exceeding cleanup levels in groundwater samples collected from monitoring wells MW-7A and MW-7B, both of which were constructed with screened intervals at the direction of Ecology. Monitoring well WDOE-6, in which HVOCs were detected at concentrations exceeding cleanup levels in groundwater samples, is screened from 11 to 17 feet bgs. Down-gradient monitoring wells MW-2 and MW-6 are screened from 2 to 12 feet bgs and 3 to 13 feet bgs, respectively, at the upper limit of the WDOE-6 well screen. While a gap exists between the bottom of the MW-7A well screen (15 feet bgs) and the top of the MW-7B well screen (25 feet bgs), it is unlikely HVOCs are present at concentrations that exceed their respective cleanup levels in groundwater at this depth interval and remain undetected. The episodic detections of HVOCs in groundwater collected from monitoring well MW-6 would be dispersed and diluted along the flow path between monitoring wells MW-6, MW-7A, and MW-7B. Previous investigations have not identified stratification of the shallow unconfined aquifer on the Site; and historical detections of PCE, TCE, and cis-1,2-DCE in groundwater collected from monitoring wells MW-7A and MW-7B were less than their respective cleanup levels.



Chloroform has been consistently detected in groundwater samples collected from monitoring wells screened at a depth below 20 feet bgs (Attachment A, Table 3), including:

- Monitoring well MW-1 up-gradient of the waste pit;
- Monitoring well MW-3 cross-gradient of the waste pit; and
- Monitoring wells MW-4 and MW-5 down-gradient of the waste pit.

These data suggest a vertical stratification of VOCs in groundwater and that VOCs detected at monitoring well MW-7B are most likely associated with the deeper regional YRRA plume.

Pesticides

Pesticides, including dieldrin, endrin, dichlorodiphenyldichloroethane (DDD), dichlorodiphenyldichloroethylene (DDE), aldrin, and heptachlor epoxide, were detected at concentrations that exceed their respective cleanup levels for soil in samples collected from the Area 1 waste pit. Pesticides have strong sorptive properties, have low solubility in water, and are relatively resistant to biodegradation processes. The detected pesticides are not expected to be mobile and likely will persist in the waste pit materials for an extended period of time depending on the mass of each contaminant present. The soil analytical data indicate that dieldrin, endrin, DDD, DDE, aldrin, and heptachlor epoxide are present primarily beneath the Agri-Tech building, with low concentrations identified in the central portion of the waste pit. The approximate extent of pesticides in soil exceeding applicable cleanup levels is shown on Figure 6.

The estimated extent of pesticides in groundwater exceeding cleanup levels based on the most-recent groundwater monitoring event (June 2011) is shown on Figure 8. Historical dieldrin detection limits exceed the current MTCA Method B cleanup level for groundwater; therefore, the full extent of dieldrin contamination at the Site cannot be determined with the currently available data. However, the suite of pesticides monitored in groundwater indicate that the area of pesticide-contaminated groundwater is stable, and there is minimal risk of pesticides migrating down-gradient in groundwater beyond the southern edge of the YSF building, or ultimately discharging to surface water in Area 4 or further down-gradient at concentrations that would require further action.

Metals

Metals are persistent contaminants that will remain in soil unless physical or chemical processes mobilize the metals. Concentrations of metals in groundwater generally are dictated by the concentrations of metals in soil that are in direct contact with groundwater and other physical and chemical properties that facilitate dissolution of metals from soil to groundwater.

According to the Metals Source TM, cadmium and lead were detected at concentrations that exceed their respective preliminary screening levels in test pits excavated by Ecology in the eastern portion of Area 3 (Attachment D, Table 1). Cadmium, lead, manganese, mercury, and zinc were detected at concentrations that exceed their respective cleanup levels in the western portion of Area 3 and were subsequently excavated to a maximum depth of 6 feet bgs as part of the Bay Chemical



site cleanup (Figure 9). The estimated extent of metals in soil at concentrations exceeding cleanup levels is shown on Figures 10a through 10c.

Cadmium was detected at concentrations that exceed the sediment cleanup screening level of 5.4 mg/kg dry weight in Area 4 sediment. However, bioassay testing of sediment collected from Area 4 did not exceed biological cleanup screening level criteria. Under Section 520 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-520), Sediment Management Standards, bioassay results override analytical chemistry results. Therefore, the metals detected do not qualify Area 4 for listing as a contaminated sediment site.

For one sampling event in 2011, both total and dissolved arsenic were detected at concentrations that slightly exceeded the cleanup level for groundwater of 5 µg/l in monitoring well MW-7A (Attachment B, Table 7). The source of the arsenic in groundwater is suspected to be naturally occurring and may be related to slightly reducing conditions proximate to Area 4 associated with the wetland area. Arsenic concentrations in soil at the Site and the Bay Chemical site predominantly have been less than levels that are considered to present a risk to groundwater.

No other metals were detected at concentrations that exceed groundwater cleanup levels in groundwater samples collected on the Site. However, metals have been detected in Bay Chemical site monitoring wells MW-11 and MW-12, which are located adjacent to the western Site boundary near the wetlands in Area 4. This groundwater is suspected to be the primary source of water to the wetlands, although standing water has not been observed for several years since up-valley irrigation ceased. Surface water has not been sampled and evaluated in the wetlands to determine whether metals pose a risk.

TERRESTRIAL ECOLOGICAL EVALUATION

A Terrestrial Ecological Evaluation (TEE) is required by WAC 173-340-7490 at any site where there has been a release of a hazardous substance to soil. The regulation requires that one of the following actions be taken:

- Documenting a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conducting a simplified TEE in accordance with WAC 173-340-7492; or
- Conducting a site-specific TEE in accordance with WAC 173-340-7493.

A simplified TEE was conducted in accordance with WAC 173-340-7492. The simplified TEE results indicated the following:

- Chlorinated pesticides were detected at concentrations that exceed the values listed in Table 749-2 for industrial sites. The areas of exceedance are under the concrete floors of the YSF and Agri-Tech buildings and/or other paved areas, which act as engineered barriers and prevent completion of the exposure pathway for terrestrial ecologic receptors under WAC 173-340-7492(2)(b).
- Soil in the areas defined by sampling locations I-TP3, J-TP2, J-TP3, and Pit K; and M-TP1, Pit-M, and TP-8 currently exceed the values identified for metals on industrial sites



in Table 749-2 (Figure 11). However, these areas likely will be excavated as part of a future cleanup action, eliminating current ecologic risk posed by the affected soil.

The engineered barriers provided by the YSF and Agri-Tech building floors and surrounding paved areas render the soil exposure pathway incomplete for pesticides in soil that exceed simplified TEE screening criteria on the Site. Remediation of the small area identified above for metals will eliminate the exposure pathway for metals in soil in the central portion of the Site. Institutional controls will likely be implemented as a component of a future cleanup action to ensure compliance with WAC 173-340-7492(3) and prevent future exposure to plants or soil biota in the event of a change in land use. The institutional controls may include a restrictive covenant that identifies where pesticides remain in soil below engineered barriers and places restrictions on accessing areas where contaminated soil remains.

No further analysis is required by WAC 173-340-7490. The Ecology TEE form for the Site is provided in Attachment E.

TECHNICAL ELEMENTS

This section presents the technical elements of the CSM, including applicable or relevant and appropriate requirements (ARARs), media of concern, COCs, and an exposure pathway assessment. These technical elements will be used in the Feasibility Study to evaluate cleanup technologies and alternatives.

APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Cleanup of contaminated media at the Site will be conducted under the Ecology Agreed Order No. DE 6091. The primary ARARs related to the remedial action include:

- MTCA, Chapter 70.105D of the Revised Code of Washington (RCW 70.105D) and WAC 173-340;
- Washington State Solid Waste Management Laws and Regulations, RCW 70.95, WAC 173-351, and WAC 173-304;
- Washington State Dangerous Waste Regulation, WAC 173-303; and
- Washington State Sediment Management Standards, WAC 173-204.

These primary ARARs are anticipated to be the most applicable to the remedial action, because they provide the framework for the remedial action, including applicable and relevant regulatory guidelines, cleanup standards, waste disposal criteria, references for additional ARARs, and standards for documentation of the remedial action.

Other applicable ARARs for cleanup of the Site include:

- Occupational Safety and Health Act, Part 1910 of Title 29 of the Code of Federal Regulations (29 CFR 1910);



- Safety Standards for Construction Work, WAC 296-155; and
- Accreditation of Environmental Laboratories, WAC 173-50.

EXPOSURE ASSESSMENT

The two types of exposure risk associated with the presence of COPCs at the Site are related to human and terrestrial ecological receptors. This subsection presents the evaluation and conclusions pertaining to the exposure pathways at the Site. The goal of this subsection is to identify potential exposure scenarios that will assist in selection of appropriate cleanup levels for the Site and for evaluation of technically feasible cleanup alternatives during the Feasibility Study.

Soil Pathway

The exposure pathways for shallow soil containing COPCs include the direct contact and inhalation pathways. Direct contact may include dermal contact and ingestion pathways for both human and ecological receptors. Inhalation pathways may include volatilization of volatile COPCs, or in the case of the nonvolatile COPCs such as metals and pesticides, particulate dust. Complete direct contact and inhalation pathways for soil include direct contact with affected soil in Areas 2 and 3 where soil is exposed or covered with a shallow layer of gravel.

Human and ecological exposure to the soil in Area 1 within the former waste pit would require compromising either the building structures or the pavement cap overlying the waste pit that currently mitigates exposure to routine site workers and visitors, neither of which is anticipated. Temporary construction workers conducting subsurface work on utilities or other unique services could be at risk of exposure. Therefore, the direct exposure pathway for Area 1 soil is not complete, with the exception of temporary construction workers conducting work that could result in exposure to affected soil. The inhalation pathway is considered complete for volatile COPCs since no evaluation of soil gas or indoor air has been conducted.

Groundwater Pathway

Potential exposure pathways for COPCs in groundwater include the direct contact (i.e., dermal contact and ingestion) and inhalation pathways. No production or irrigation wells are located on or proximate to the Site, reducing risk of direct contact to standard workers and visitors. Temporary construction workers conducting subsurface work would have exposure risk. Groundwater monitoring analytical data for monitoring wells down-gradient of Area 1 and the YRRA indicate concentrations of COPCs in groundwater, particularly PCE and associated HVOCs, are less than the preliminary screening levels before reaching the Site boundary (Figure 3). The direct contact pathway would be incomplete, with the exception of temporary construction workers conducting subsurface work that could result in exposure to affected groundwater.

The inhalation pathway for groundwater at the Site is considered complete since volatile COPCs are present in Area 1 that may represent a vapor intrusion risk, and that air pathway has not been evaluated during the RI.



Groundwater, including groundwater flowing from the west-adjacent Bay Chemical site proximate to monitoring wells MW-11 and MW-12, is the primary source of water in the wetlands, although standing surface water has not been observed in Area 4 for several years. Surface water has not been sampled and evaluated in the wetlands (Area 4) to determine whether COPCs are present at concentrations that pose a risk to human or ecological receptors. Metals have been identified in groundwater samples collected from Bay Chemical site monitoring wells located near the wetlands, including monitoring wells MW-11 and MW-12, and it is possible that metals-impacted groundwater may be discharging to surface water in the wetlands. Metals associated with residual flue dust contamination (arsenic, cadmium, chromium, copper, lead, manganese, mercury, and zinc) on the Bay Chemical site in soil and groundwater may pose a risk through the groundwater to surface water pathway. The surface water pathway is retained as a complete pathway pending evaluation of surface water quality in the wetlands or groundwater quality near the wetlands.

CLEANUP STANDARDS

As defined in WAC 173-340-700, cleanup standards include establishing cleanup levels and the points of compliance at which the cleanup levels are to be attained. The cleanup standards for the Site have been established in accordance with WAC 173-340-700 through 173-340-760 to be protective of human health and the environment.

CLEANUP LEVELS

The cleanup levels are the concentrations of COCs that are to be met for each medium of concern at the point of compliance defined for the Site. Cleanup levels for the media of concern, soil, groundwater, surface water, and indoor air are presented in Tables 1 through 4. The selected cleanup levels provide the basis for evaluation of cleanup alternatives during the Feasibility Study, define the COCs, and define the media of concern.

POINTS OF COMPLIANCE

The point of compliance is defined in WAC 173-340-200 as the location(s) where cleanup levels established in accordance with WAC 173-340-720 through WAC 173-340-760 will be attained to meet the requirements of MTCA.

The point of compliance for soil is defined as all soil at the Site where analytical results of in-situ soil samples report concentrations of COCs exceeding their respective MTCA cleanup (i.e., the standard point of compliance under MTCA). The point of compliance for soil will not exceed the boundary of the Site.

The standard point of compliance for groundwater is defined as the uppermost level of the saturated zone extending vertically to the lowest depth that potentially could be impacted by the COCs throughout the Site (i.e., the standard point of compliance under MTCA). The point of compliance for groundwater will be selected during a later phase of the cleanup process to comply with WAC 173-340-720(8)(c), Conditional Point of Compliance. The uppermost level of the saturated zone is approximately 2.5 feet bgs. The lowest depth that could be affected by the COCs



is approximately 30 feet bgs. Groundwater monitoring wells that may be used as point of compliance wells include monitoring wells MW-3, MW-4, MW-5, MW-7A, and MW-7B (Figure 2).

MEDIA OF CONCERN

The RI work has confirmed that soil and groundwater are media of concern on the Site. Sampling of shallow groundwater that seasonally discharges to the near-surface in Area 4 indicates surface water, when present, may be an affected media and is retained as a media of concern, but has not been confirmed as such. Bioassay testing indicates that sediment is not a media of concern. Indoor air has been retained as a media of concern, but has not been confirmed as an affected media. Soil gas and indoor air quality historically have not been evaluated during the RI work due to the absence of regulatory criteria that required evaluation of this pathway/media at the time the RI was completed.

CONSTITUENTS OF CONCERN

The COCs are defined as the chemicals that have been detected at concentrations exceeding their respective cleanup levels or are suspected to exceed cleanup levels for pathways that have not been fully evaluated (i.e., surface water and indoor air pathways), which are presented in Tables 1 through 4. Provided below are the COCs identified by medium of concern.

Soil

HVOCs, including PCE, TCE, and cis-1,2-DCE; 1,2-dichloropropane; pesticides, including aldrin and dieldrin; total petroleum hydrocarbons as DRO; and metals, including cadmium, copper, lead, mercury, and zinc, have been identified as COCs for soil (Table 1).

Groundwater

The HVOCs PCE, TCE, cis-1,2-DCE, vinyl chloride, and 1,2-dichloropropane and the pesticides 4,4-DDD, 4,4-DDE, and dieldrin have been identified as COCs for groundwater (Table 2; Figures 3 and 7). Metals have not been retained as COCs for groundwater based on historical groundwater analytical data (Table 2).

Surface Water

Metals, including arsenic, cadmium, chromium, copper, lead, manganese, mercury, and zinc, have been identified as COCs for Area 4 surface water (when present) based on groundwater analytical results from Bay Chemical monitoring wells near Area 4 and information regarding other metals associated with the Bay Chemical flue dust (Table 3).

Soil Gas and Indoor Air

PCE, TCE, and vinyl chloride have been identified as COCs for soil gas and indoor air based on soil and groundwater data from the waste pit (Table 4).



REFERENCES

ERC/Pacific Groundwater Group. 1997. *Former Bay Chemical Site Remedial Investigation Report, Volume 1*. March.

Farallon Consulting LLC. (Farallon). 2004. *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel Fabricators, 6 and 10 ½ East Washington Avenue, Yakima Washington*. Prepared for Yakima Steel Fabricators. June 10.

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———. 2017b. Wetland Evaluation Technical Memorandum, Agri-Tech and Yakima Steel Fabricators Site, Yakima, Washington. From Eric Buer and Jeff Kaspar. To Chris Wend, Washington State Department of Ecology. July 17.

Attachments: Figure 1, *Site Vicinity Map*

Figure 2, *Site Plan and Tax Parcel Locations*

Figure 3, *Groundwater Analytical Results for Volatile Organic Compounds*

Figure 4, *Approximate Extent of HVOCs in Soil Exceeding Cleanup Levels*

Figure 5, *Approximate Extent of HVOCs in Groundwater Exceeding Cleanup Levels*

Figure 6, *Approximate Extent of Pesticides in Soil Exceeding Cleanup Levels*

Figure 7, *Groundwater Analytical Results for Organochlorine Pesticides*

Figure 8, *Approximate Extent of Pesticides in Groundwater Exceeding Cleanup Levels*

Figure 9, *Soil Analytical Results for Metals*

Figure 10a, *Estimated Extent of Soil with Metals Concentrations Exceeding Bay Chemical Cleanup Levels*

Figure 10b, *Estimated Extent of Soil with Metals Concentrations Exceeding Cleanup Levels Based on Protection of Groundwater*

Figure 10c, *Estimated Extent of Soil with Metals Concentrations Exceeding Cleanup Levels Based on Human Health Direct Contact*

Figure 11, *Terrestrial Ecological Evaluation Areas that Exceed Terrestrial Ecological Risk Requirements*

Table 1, *Soil and Sediment Constituents of Concern and Cleanup Levels*

Table 2, *Groundwater Constituents of Concern and Cleanup Levels*

Table 3, *Surface Water Constituents of Concern and Cleanup Levels*

Table 4, *Soil Gas and Indoor Air Constituents of Concern and Cleanup Levels*

Attachment A, *YSF Remedial Investigation Figures and Tables*

Attachment B, *Washington Department of Ecology Test Pit Sampling Tables*

Attachment C, *Wetland Evaluation TM Figures and Tables*

Attachment D, *Metals Source TM Figures and Tables*

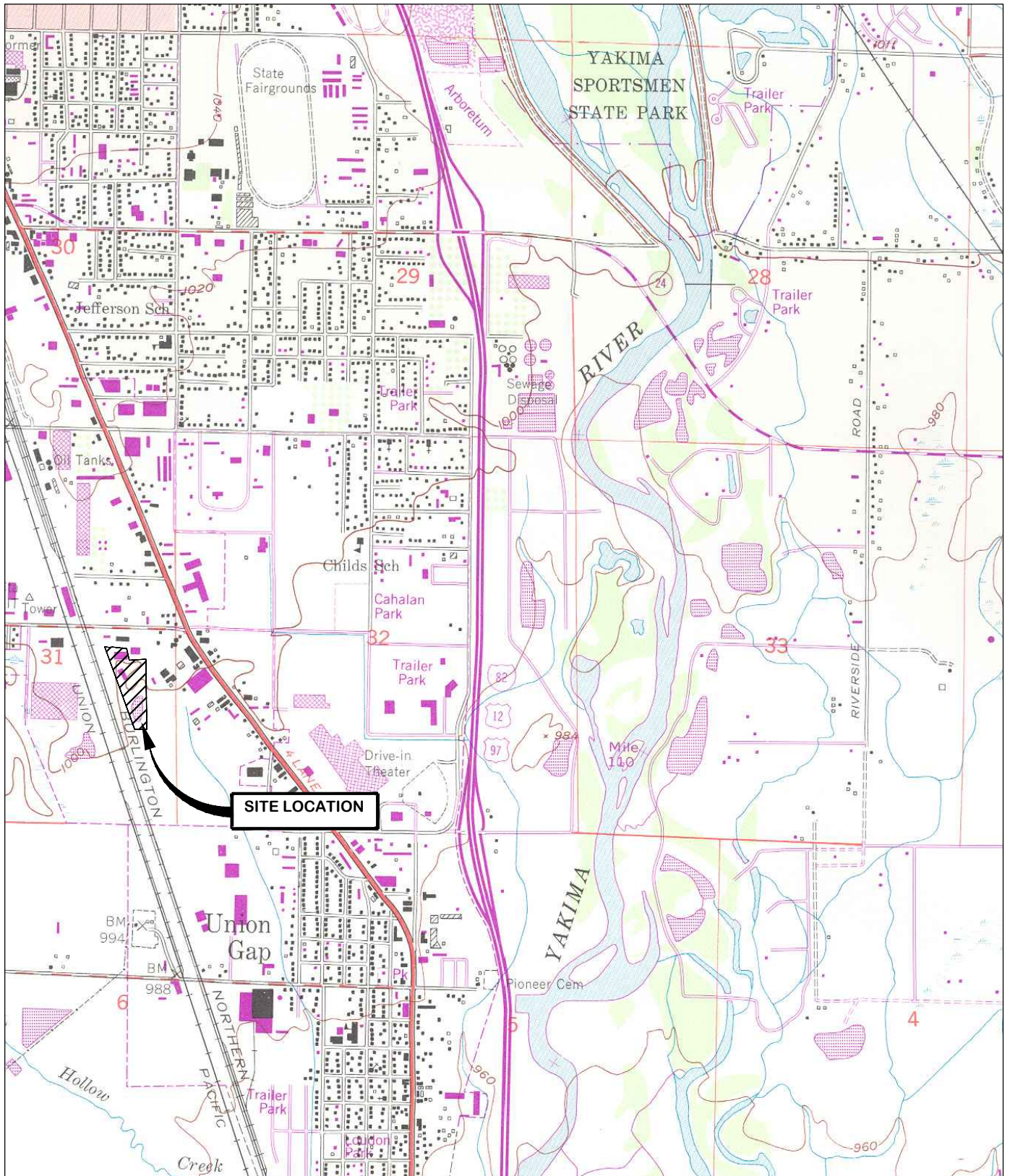
Attachment E, *Terrestrial Ecological Evaluation Form*

EB:cm

FIGURES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington

Farallon PN: 765-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE YAKIMA SOUTH, WASHINGTON. DATED 1953 AND PHOTOREVISED 1981



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FIGURE 1

SITE VICINITY MAP
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001


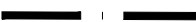




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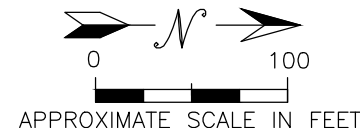
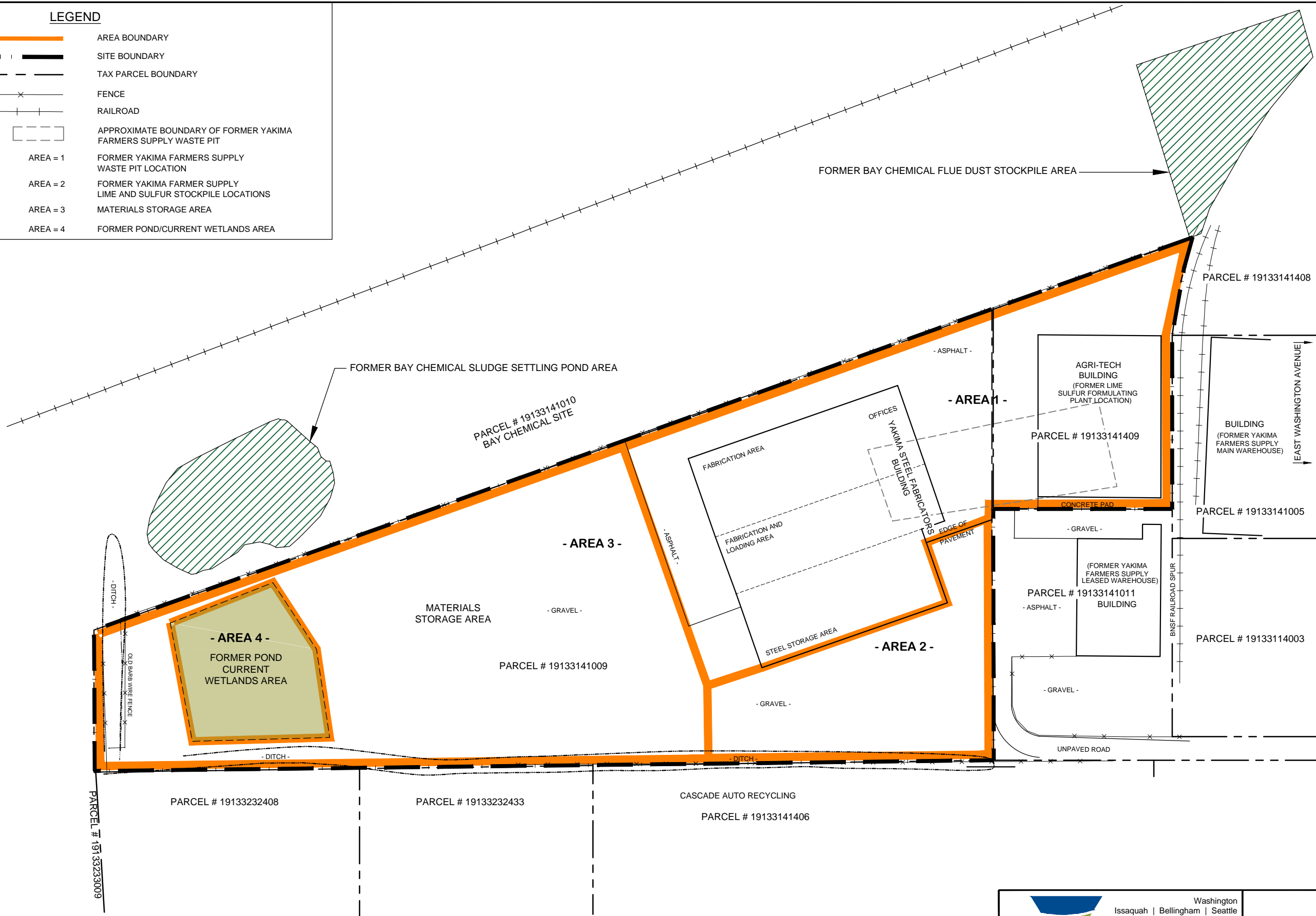
Checked By: HC

Date: 1/25/2016

Disk Reference: 765001a

LEGEND

-  AREA BOUNDARY
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 MATERIALS STORAGE AREA
- AREA = 4 FORMER POND/CURRENT WETLANDS AREA




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FIGURE 2
SITE PLAN AND TAX PARCEL LOCATIONS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- GROUNDWATER ANALYTICAL RESULTS ARE IN MICROGRAMS PER LITER
- PCE = TETRACHLOROETHENE
- TCE = TRICHLOROETHENE
- CIS-1,2-DCE = CIS 1,2-DICHLOROETHENE
- VC = VINYL CHLORIDE
- = NOT ANALYZED
- < = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

- MW-6 SHALLOW BAY CHEMICAL SITE MONITORING WELL INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-4 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DECOMMISSIONED WELL DURING BAY CHEMICAL CLEANUP (2007)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- MW-10 BAY CHEMICAL MONITORING WELL (2009)
- ESTIMATED LATERAL EXTENT OF TYPE 3 WETLAND (EXISTING POND)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

CLEANUP LEVELS	PCE	TCE	CIS-1,2-DCE	VC
	5	5	16	0.20

ANALYTE HIGHLIGHTED IN BLUE EXCEEDS CLEANUP LEVEL INDICATED IN TABLE ABOVE.

NOTE:

- FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	<1.0	1.51	12.4	2.42
3/3/98	1.59	1.46	3.21	<1.0
6/3/98	<1.0	<1.0	7.13	<1.0
9/2/98	1.27	3.06	17.6	<1.0
12/4/02	<2	<2	15	<2.0
6/1/11	1.6	1.5	8.9	0.025

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	3.64	<1.0	<1.0	<1.0
3/3/98	3.39	<1.0	<1.0	<1.0
6/3/98	6.5	1.18	<1.0	<1.0
9/2/98	4.22	0.71	0.25	<1.0
12/3/02	6	<2	<2	<2
6/2/11	3.2	0.31	0.10	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
5/92	420	430	270	<10
12/3/97	---	---	---	---
3/3/98	49.6	108	83.7	4.24
6/3/98	75.6	60.4	45.6	<1.0
9/2/98	20.8	18.7	11.4	<1.0
12/3/02	<2	<2	14	<2
6/1/11	5.7	31	300	37

DATE	PCE	TCE	CIS-1,2-DCE	VC
6/2/11	1.8	0.10	<0.10	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
6/2/11	1.6	0.22	<0.10	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	3.98	1.1	1	<1.0
3/3/98	2.25	1.02	4.5	<1.0
6/3/98	2.72	<1.0	2.52	<1.0
9/2/98	2.65	0.89	2.87	<1.0
12/4/02	5	<2	<2	<2

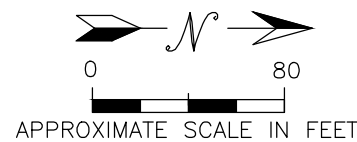
DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	<1.0	<1.0	7.68	<1.0
3/3/98	<1.0	<1.0	13.2	<1.0
6/3/98	<1.0	<1.0	13.3	<1.0
9/2/98	<1.0	0.33	7.08	<1.0
12/4/02	6	74	270	4
6/1/11	<0.10	<0.10	6.6	0.20

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/02	<2	<2	4	<2
6/2/11	<0.10	<0.10	<0.10	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	6.06	1.07	<1.0	<1.0
3/3/98	4.44	<1.0	<1.0	<1.0
6/3/98	4.52	<1.0	<1.0	<1.0
9/2/98	5.37	0.81	0.22	<1.0
12/4/02	6	<2	<2	<2
6/1/11	3.2	0.23	<0.10	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	3.32	<1.0	5.23	<1.0
3/3/98	3.78	<1.0	1.64	<1.0
6/3/98	3.86	<1.0	3.25	<1.0
9/2/98	3.12	0.84	4.34	<1.0
12/4/02	5	<2	5	<2
6/1/11	2.2	0.29	0.87	<0.020

DATE	PCE	TCE	CIS-1,2-DCE	VC
12/3/97	3.32	<1.0	5.23	<1.0
3/3/98	3.78	<1.0	1.64	<1.0
6/3/98	3.86	<1.0	3.25	<1.0
9/2/98	3.12	0.84	4.34	<1.0
12/4/02	5	<2	5	<2
6/1/11	2.2	0.29	0.87	<0.020



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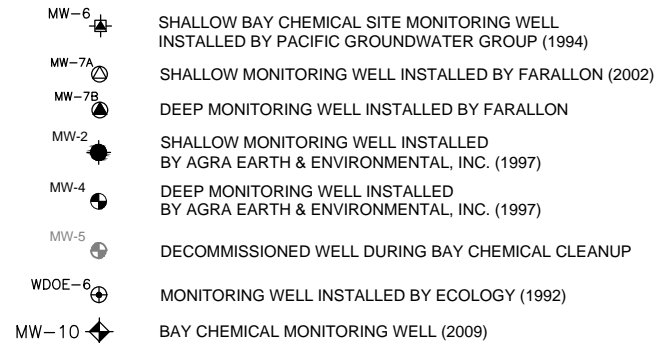
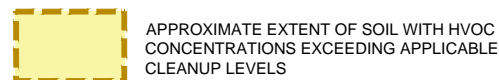
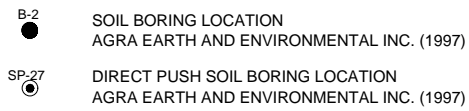
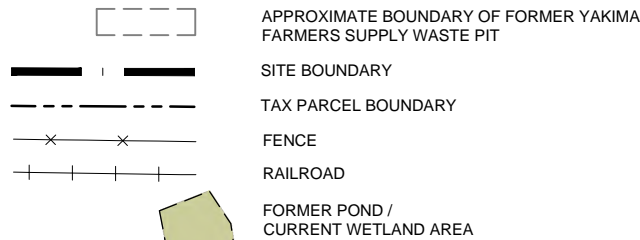
FIGURE 3

GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANICS COMPOUNDS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

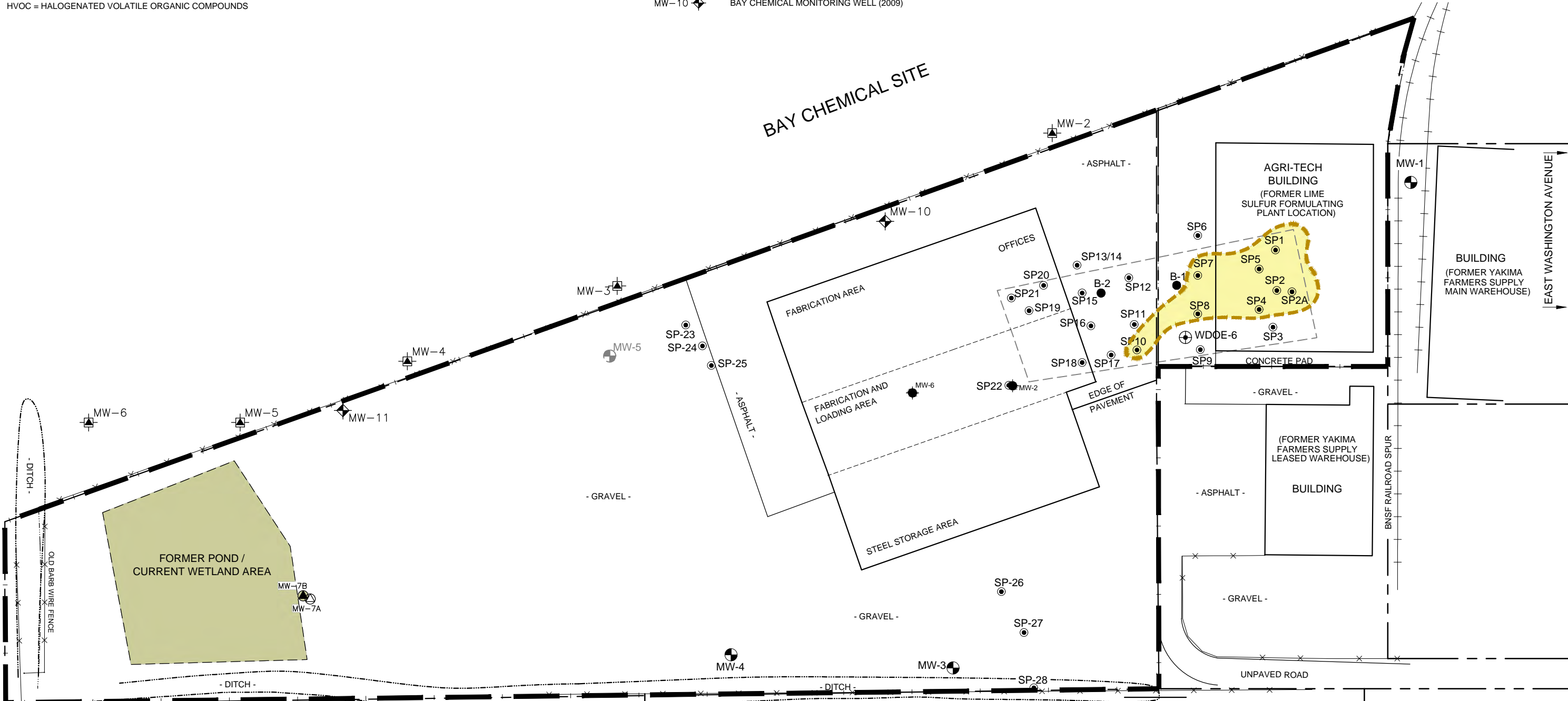
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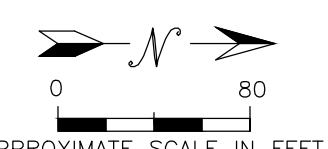
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NOTE:
 1. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION
 2. HVOC = HALOGENATED VOLATILE ORGANIC COMPOUNDS



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







FIGURE 4
 APPROXIMATE EXTENT OF HVOCs IN SOIL EXCEEDING CLEANUP LEVELS
 YSF/AGRI-TECH SITE
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON
 FARALLON PN: 765-001


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LEGEND

-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  FORMER POND / CURRENT WETLAND AREA
-  APPROXIMATE DIRECTION OF GROUNDWATER FLOW

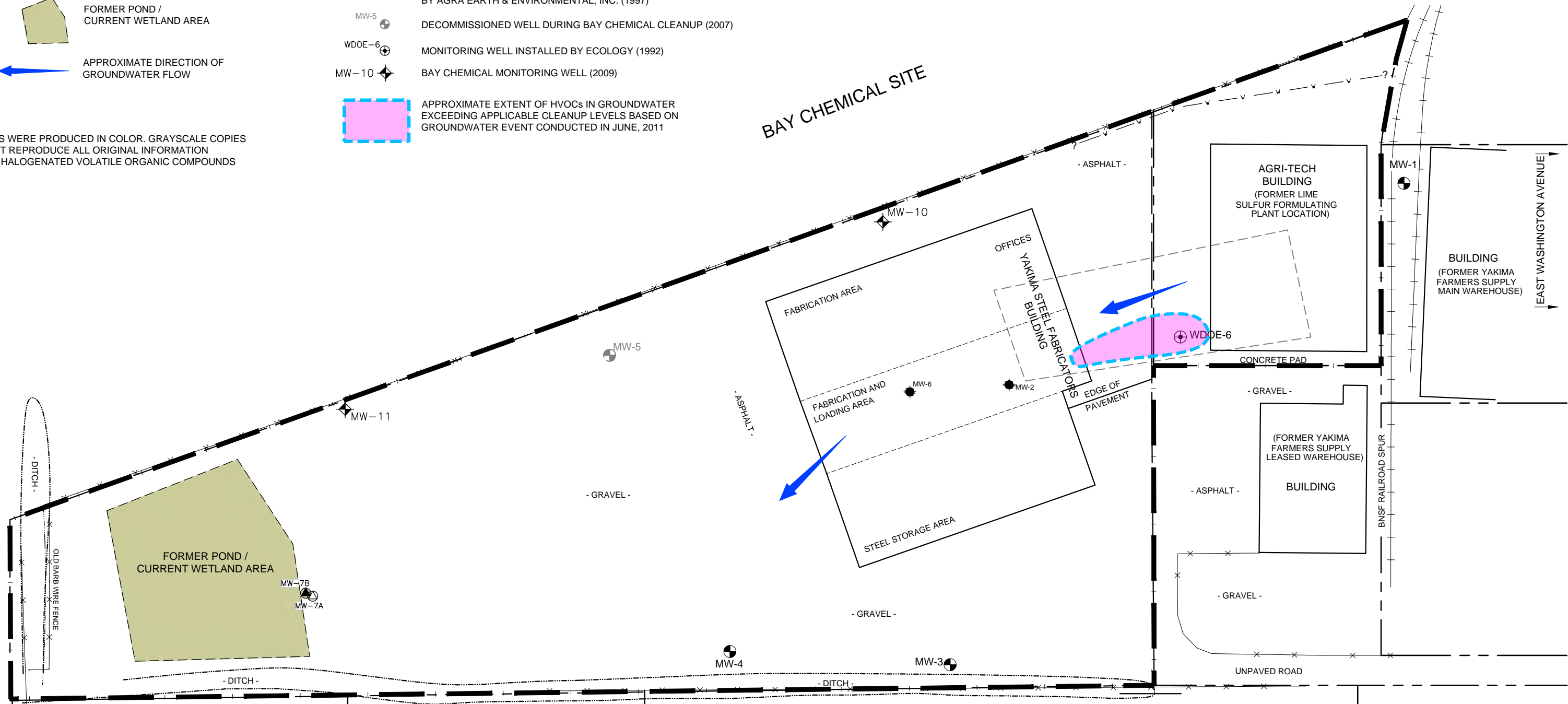
- MW-6  SHALLOW BAY CHEMICAL SITE MONITORING WELL INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
- MW-7A  SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B  DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2  SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-4  DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5  DECOMMISSIONED WELL DURING BAY CHEMICAL CLEANUP (2007)
- WDOE-6  MONITORING WELL INSTALLED BY ECOLOGY (1992)
- MW-10  BAY CHEMICAL MONITORING WELL (2009)

 APPROXIMATE EXTENT OF HVOCs IN GROUNDWATER EXCEEDING APPLICABLE CLEANUP LEVELS BASED ON GROUNDWATER EVENT CONDUCTED IN JUNE, 2011

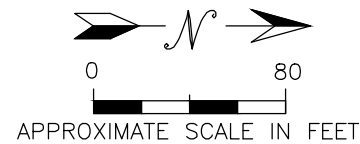
NOTE:

1. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION
2. HVOC = HALOGENATED VOLATILE ORGANIC COMPOUNDS

BAY CHEMICAL SITE



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FIGURE 5







APPROXIMATE EXTENT OF HVOCs IN
GROUNDWATER EXCEEDING CLEANUP LEVELS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON




FARALLON PN: 765-001

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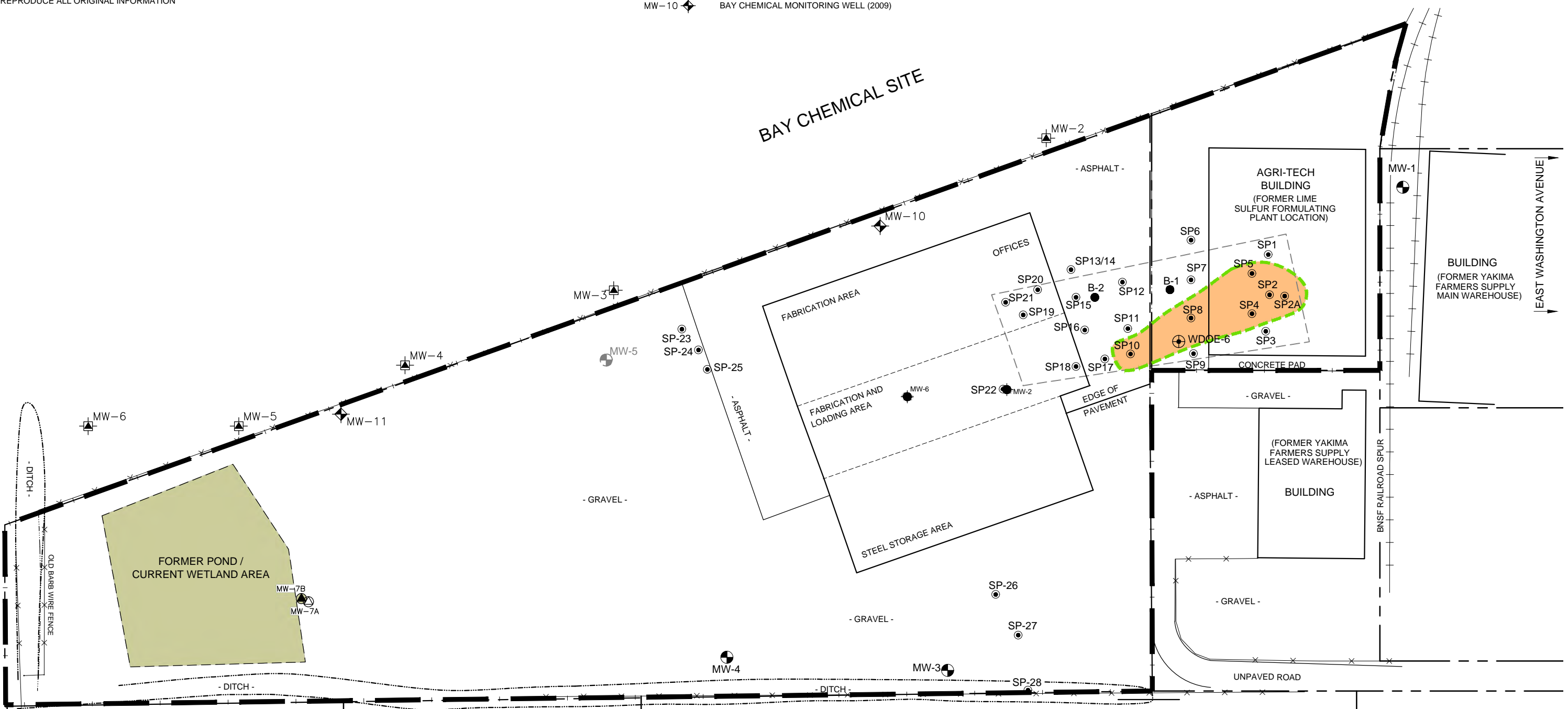
LEGEND

-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  FORMER POND / CURRENT WETLAND AREA

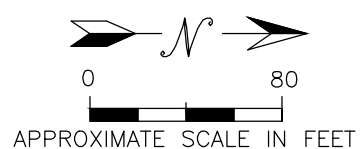
-  SOIL BORING LOCATION
AGRA EARTH AND ENVIRONMENTAL INC. (1997)
-  DIRECT PUSH SOIL BORING LOCATION
AGRA EARTH AND ENVIRONMENTAL INC. (1997)
-  APPROXIMATE EXTENT OF PESTICIDES IN SOIL EXCEEDING APPLICABLE CLEANUP LEVELS

-  MW-6 SHALLOW BAY CHEMICAL SITE MONITORING WELL
INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
-  MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
-  MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
-  MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
-  MW-4 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
-  MW-5 DECOMMISSIONED WELL DURING BAY CHEMICAL CLEANUP
-  WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
-  MW-10 BAY CHEMICAL MONITORING WELL (2009)

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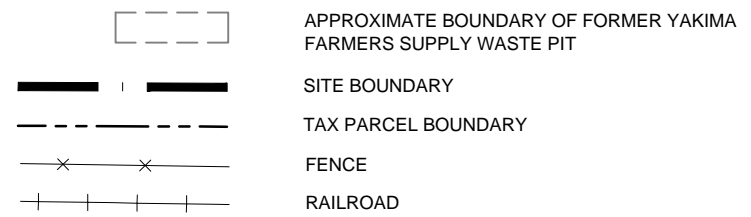
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FIGURE 6
APPROXIMATE EXTENT OF PESTICIDES IN SOIL EXCEEDING CLEANUP LEVELS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON
FARALLON PN: 765-001

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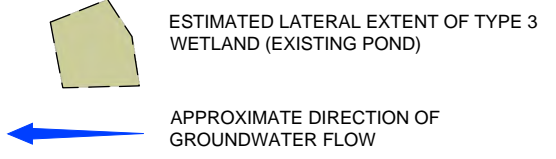


- MW-6 SHALLOW BAY CHEMICAL SITE MONITORING WELL INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-4 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DECOMMISSIONED WELL DURING BAY CHEMICAL CLEANUP (2007)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- MW-10 BAY CHEMICAL MONITORING WELL (2009)

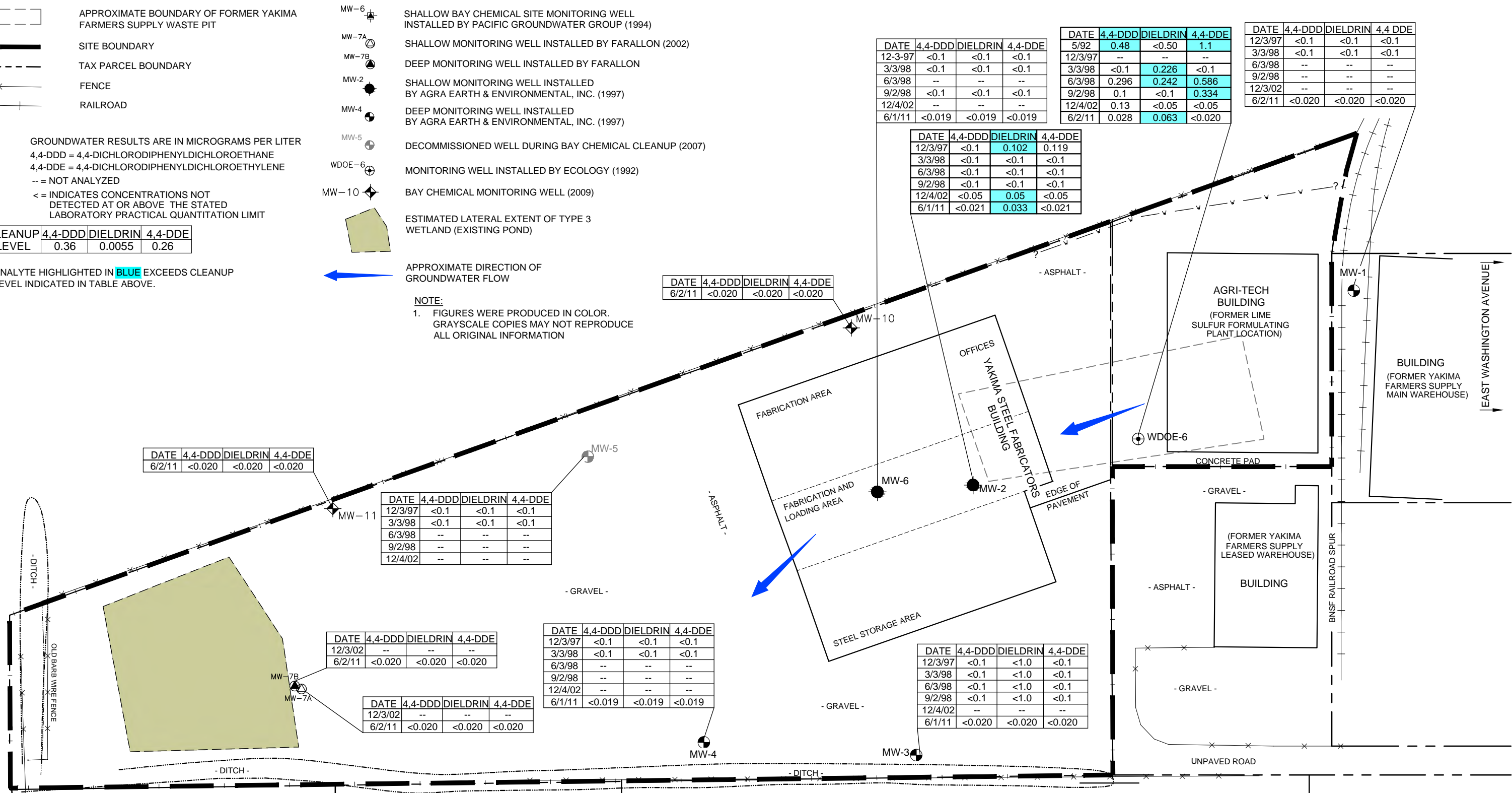
GROUNDWATER RESULTS ARE IN MICROGRAMS PER LITER
 4,4-DDD = 4,4-DICHLORODIPHENYLDICHLOROETHANE
 4,4-DDE = 4,4-DICHLORODIPHENYLDICHLOROETHYLENE
 -- = NOT ANALYZED
 < = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

CLEANUP LEVEL	4,4-DDD	DIELDRIN	4,4-DDE
	0.36	0.0055	0.26

ANALYTE HIGHLIGHTED IN BLUE EXCEEDS CLEANUP LEVEL INDICATED IN TABLE ABOVE.



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 1. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION



DATE	4,4-DDD	DIELDRIN	4,4-DDE
12-3-97	<0.1	<0.1	<0.1
3/3/98	<0.1	<0.1	<0.1
6/3/98	--	--	--
9/2/98	<0.1	<0.1	<0.1
12/4/02	--	--	--
6/1/11	<0.019	<0.019	<0.019

DATE	4,4-DDD	DIELDRIN	4,4-DDE
5/92	0.48	<0.50	1.1
12/3/97	--	--	--
3/3/98	<0.1	0.226	<0.1
6/3/98	0.296	0.242	0.586
9/2/98	0.1	<0.1	0.334
12/4/02	0.13	<0.05	<0.05
6/2/11	0.028	0.063	<0.020

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/97	<0.1	<0.1	<0.1
3/3/98	<0.1	<0.1	<0.1
6/3/98	--	--	--
9/2/98	--	--	--
12/3/02	--	--	--
6/2/11	<0.020	<0.020	<0.020

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/97	<0.1	0.102	0.119
3/3/98	<0.1	<0.1	<0.1
6/3/98	<0.1	<0.1	<0.1
9/2/98	<0.1	<0.1	<0.1
12/4/02	<0.05	0.05	<0.05
6/1/11	<0.021	0.033	<0.021

DATE	4,4-DDD	DIELDRIN	4,4-DDE
6/2/11	<0.020	<0.020	<0.020

DATE	4,4-DDD	DIELDRIN	4,4-DDE
6/2/11	<0.020	<0.020	<0.020

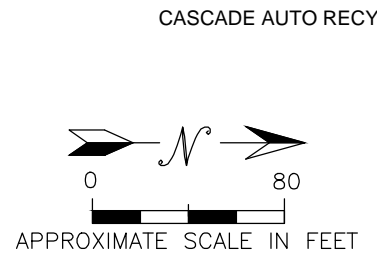
DATE	4,4-DDD	DIELDRIN	4,4-DDE
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3/3/98	<0.1	<0.1	<0.1
6/3/98	--	--	--
9/2/98	--	--	--
12/4/02	--	--	--

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/02	--	--	--
6/2/11	<0.020	<0.020	<0.020

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/02	--	--	--
6/2/11	<0.020	<0.020	<0.020

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/97	<0.1	<0.1	<0.1
3/3/98	<0.1	<0.1	<0.1
6/3/98	--	--	--
9/2/98	--	--	--
12/4/02	--	--	--
6/1/11	<0.019	<0.019	<0.019

DATE	4,4-DDD	DIELDRIN	4,4-DDE
12/3/97	<0.1	<1.0	<0.1
3/3/98	<0.1	<1.0	<0.1
6/3/98	<0.1	<1.0	<0.1
9/2/98	<0.1	<1.0	<0.1
12/4/02	--	--	--
6/1/11	<0.020	<0.020	<0.020


















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FIGURE 7
 GROUNDWATER ANALYTICAL RESULTS FOR
 ORGANOCHLORINE PESTICIDES
 YSF/AGRI-TECH SITE
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON
 FARALLON PN: 765-001

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LEGEND

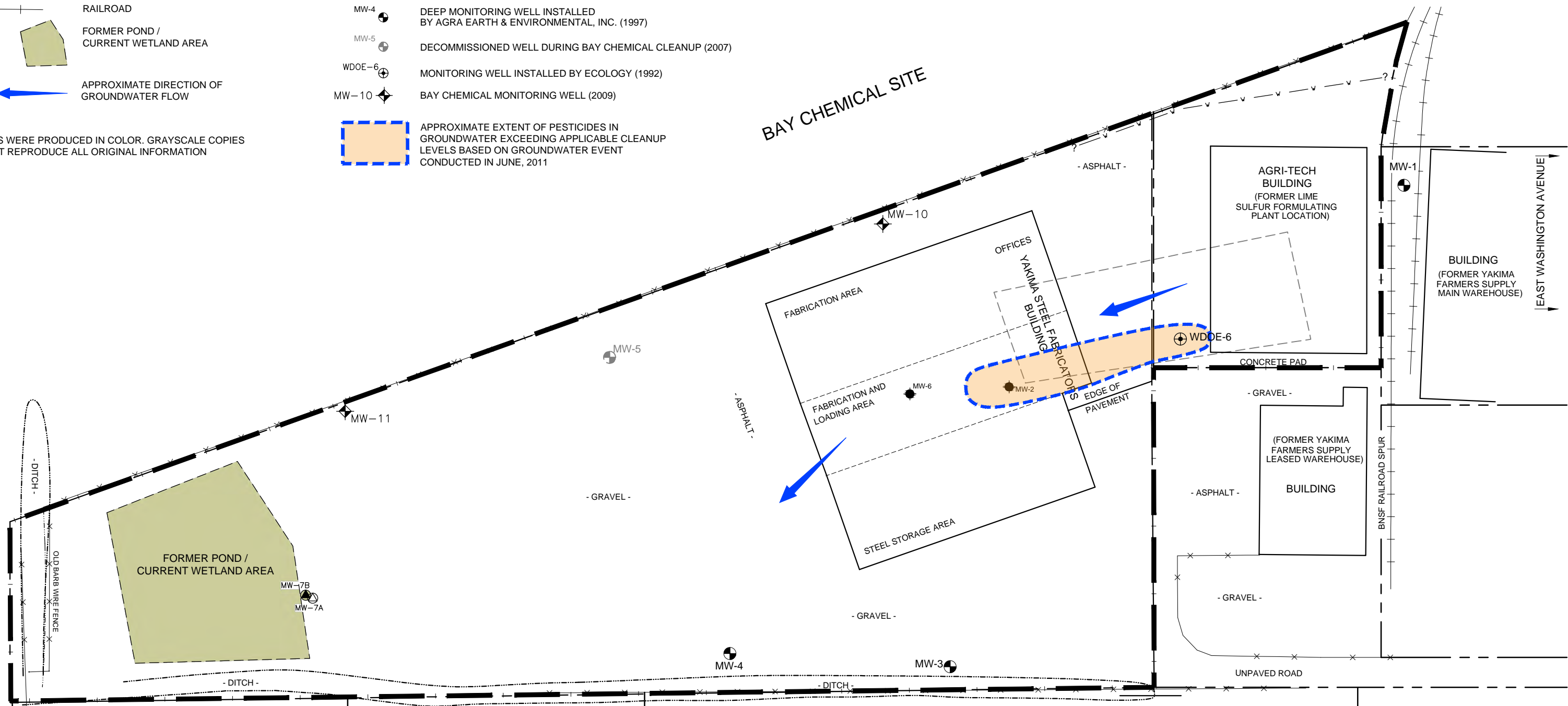
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  FORMER POND / CURRENT WETLAND AREA
-  APPROXIMATE DIRECTION OF GROUNDWATER FLOW

-  MW-6 SHALLOW BAY CHEMICAL SITE MONITORING WELL INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
-  MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
-  MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
-  MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
-  MW-4 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
-  MW-5 DECOMMISSIONED WELL DURING BAY CHEMICAL CLEANUP (2007)
-  WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
-  MW-10 BAY CHEMICAL MONITORING WELL (2009)

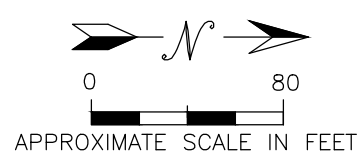
 APPROXIMATE EXTENT OF PESTICIDES IN GROUNDWATER EXCEEDING APPLICABLE CLEANUP LEVELS BASED ON GROUNDWATER EVENT CONDUCTED IN JUNE, 2011

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BAY CHEMICAL SITE



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FIGURE 8

APPROXIMATE EXTENT OF PESTICIDES IN GROUNDWATER EXCEEDING CLEANUP LEVELS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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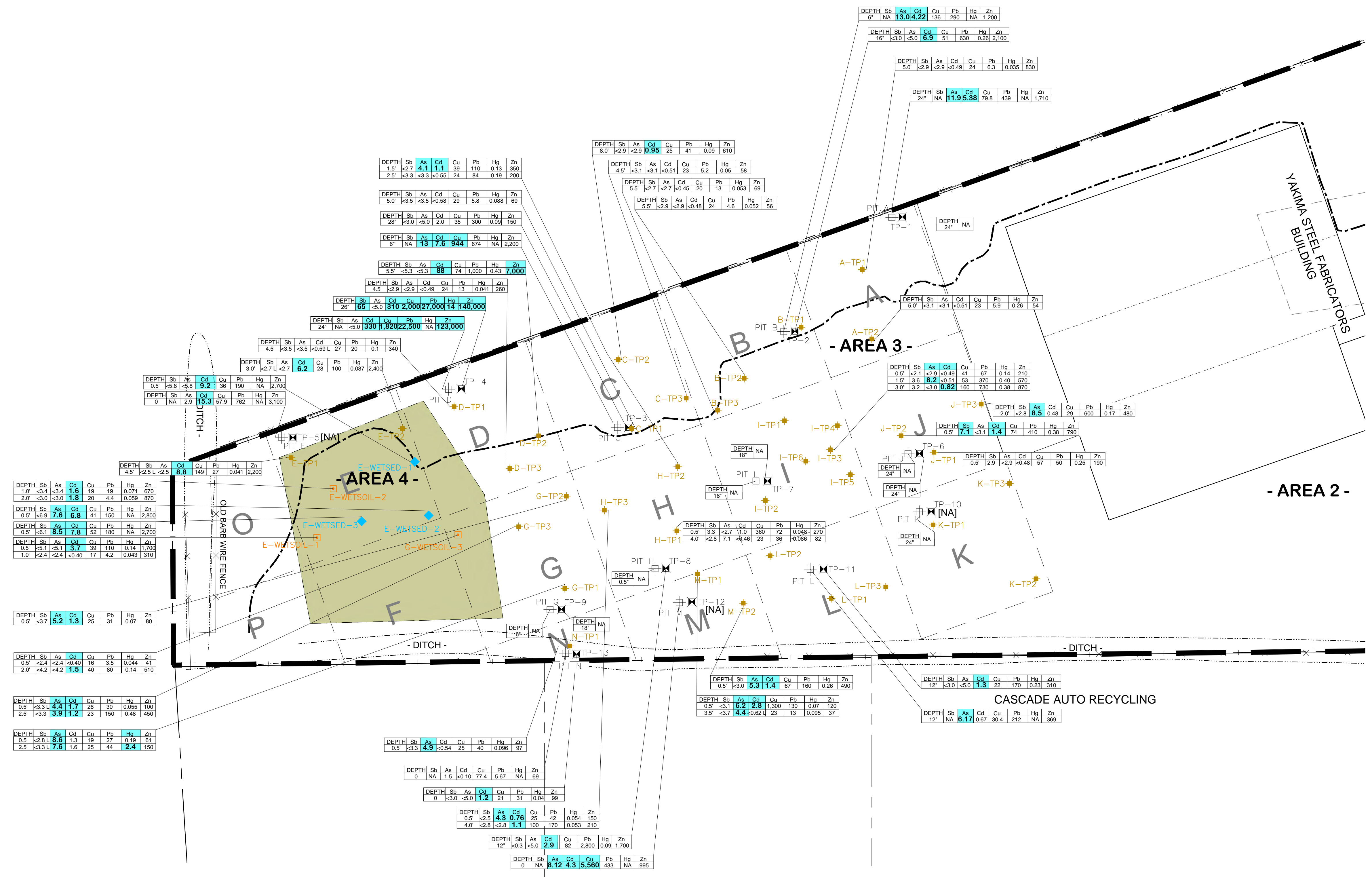
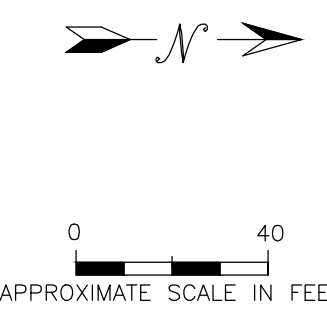
LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA 1** FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA 2** FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA 3** YAKIMA STEEL STORAGE YARD AND WETLAND AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- BAY CHEMICAL CLEANUP AREA
- D-TP3 TEST PIT LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-1 WET SEDIMENT SAMPLE LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-2 WET SOIL SAMPLE LOCATION FARALLON CONSULTING (2011)
- PIT B WASHINGTON STATE DEPARTMENT OF ECOLOGY (ECOLOGIST) TEST PIT (2007)
- TP-2 ENVIRONMENTAL PARTNERS, INC. TEST PIT (2007)
- M ECOLOGY SAMPLING GRID DESIGNATION
- ESTIMATED LATERAL EXTENT OF TYPE 3 WETLAND (EXISTING POND)



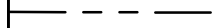

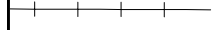

Sb = ANTIMONY
 As = ARSENIC
 Cd = CADMIUM
 Cu = COPPER
 Pb = LEAD
 Hg = MERCURY
 Zn = ZINC
 NA = NOT ANALYZED
 < = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTIFICATION LIMIT
 SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM DEPTH IN FEET (') OR INCHES (") BELOW GROUND SURFACE




CLEANUP LEVELS	Sb	As	Cd	Cu	Pb	Hg	Zn
	5.42	2.92	0.69	284	3,000	2.09	5,970

ANALYTE HIGHLIGHTED IN BLUE EXCEEDS CLEANUP LEVEL INDICATED IN TABLE ABOVE.
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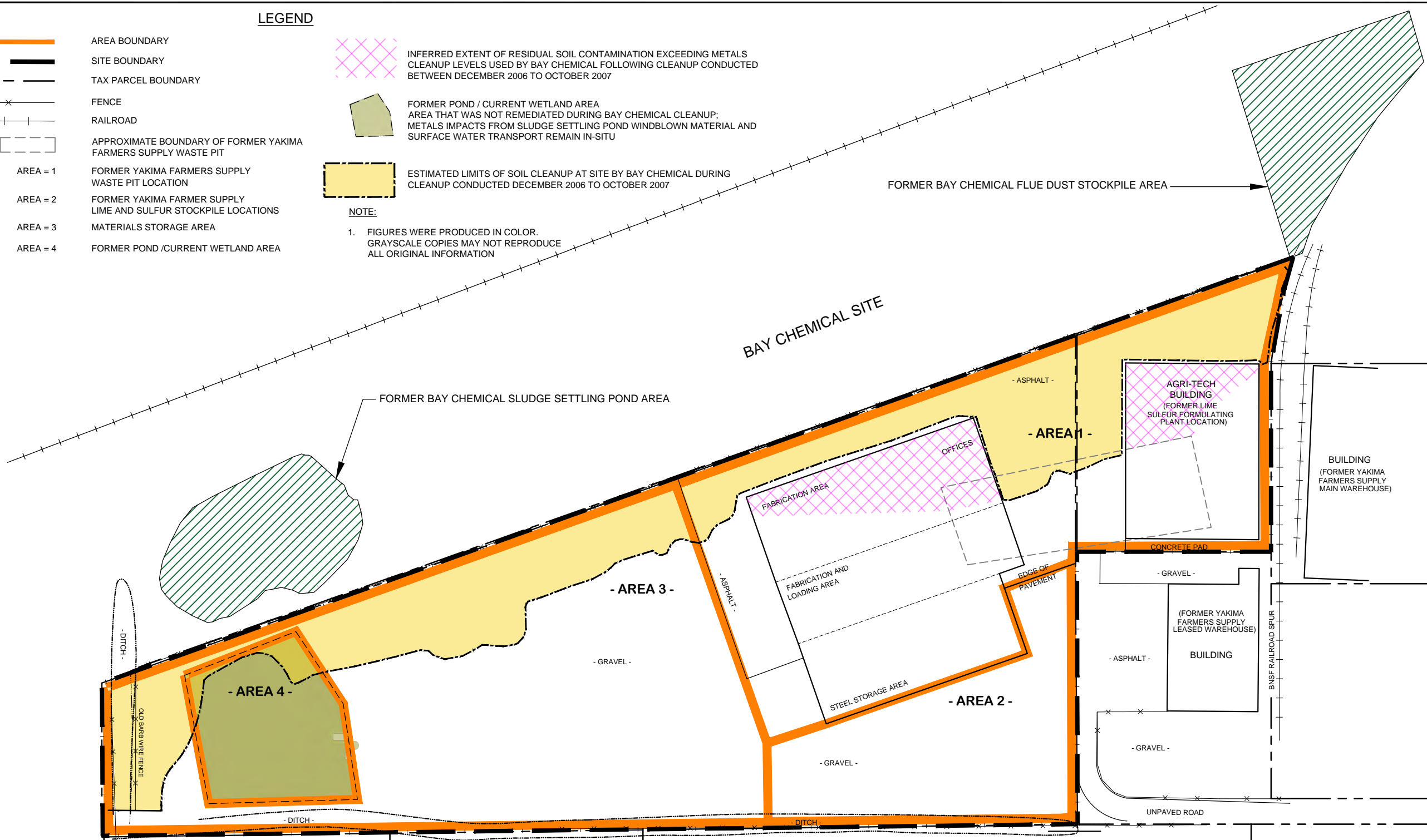
LEGEND

-  AREA BOUNDARY
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 MATERIALS STORAGE AREA
- AREA = 4 FORMER POND /CURRENT WETLAND AREA

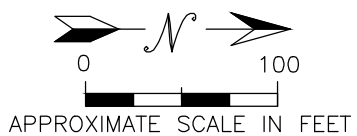
-  INFERRED EXTENT OF RESIDUAL SOIL CONTAMINATION EXCEEDING METALS CLEANUP LEVELS USED BY BAY CHEMICAL FOLLOWING CLEANUP CONDUCTED BETWEEN DECEMBER 2006 TO OCTOBER 2007
-  FORMER POND / CURRENT WETLAND AREA
AREA THAT WAS NOT REMEDIATED DURING BAY CHEMICAL CLEANUP; METALS IMPACTS FROM SLUDGE SETTLING POND WINDBLOWN MATERIAL AND SURFACE WATER TRANSPORT REMAIN IN-SITU
-  ESTIMATED LIMITS OF SOIL CLEANUP AT SITE BY BAY CHEMICAL DURING CLEANUP CONDUCTED DECEMBER 2006 TO OCTOBER 2007

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1. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION



NOTE: SEE METALS SOURCE TECHNICAL MEMORANDUM FOR ADDITIONAL INFORMATION REGARDING EXTENT OF METALS IN SOIL IN AREA 3.




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FIGURE 10a



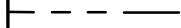
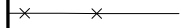
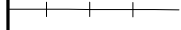

ESTIMATED EXTENT OF SOIL WITH METALS CONCENTRATIONS EXCEEDING BAY CHEMICAL CLEANUP LEVELS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON




FARALLON PN: 765-001

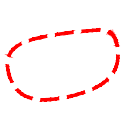
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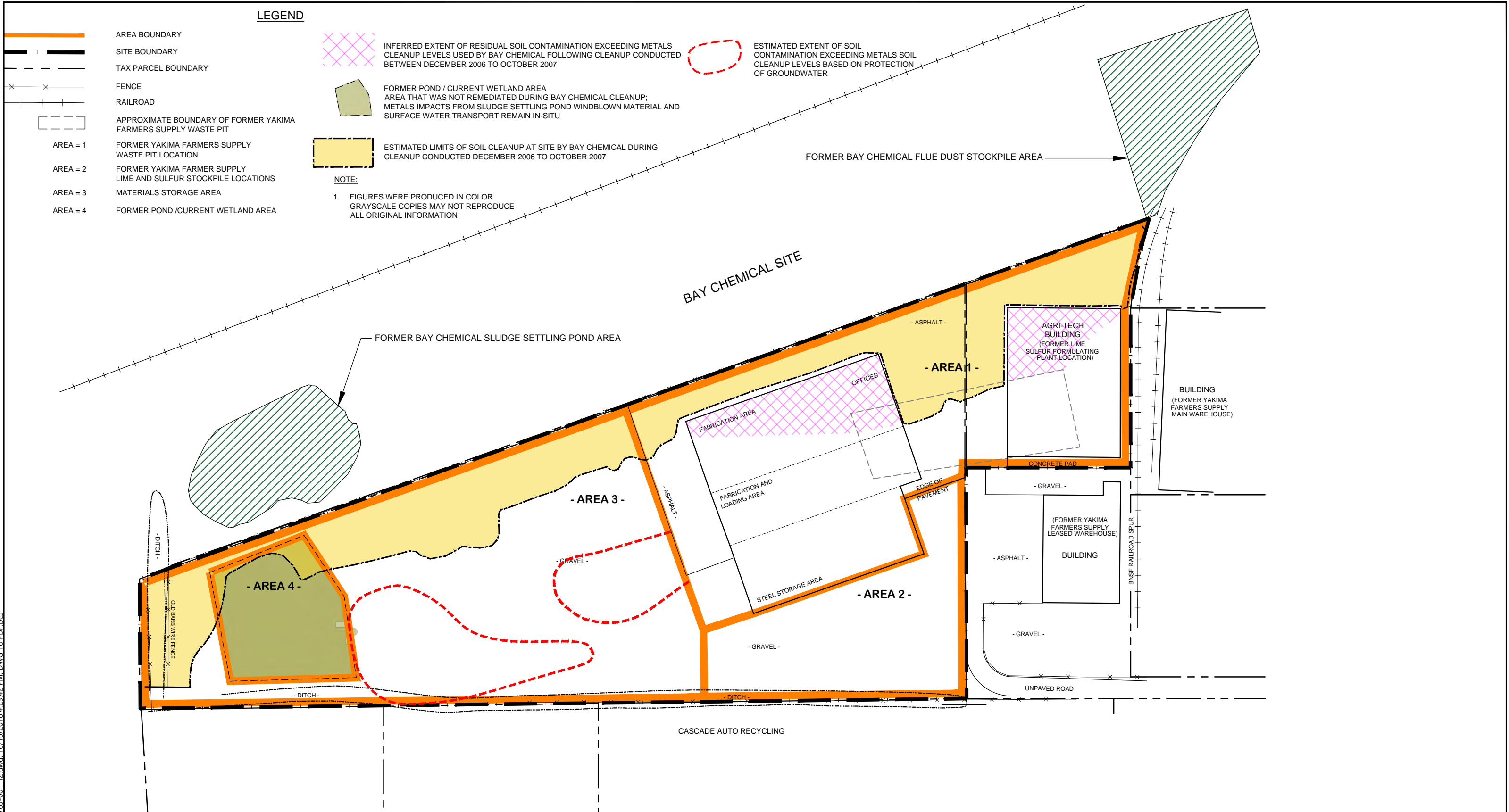
LEGEND

-  AREA BOUNDARY
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
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- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 MATERIALS STORAGE AREA
- AREA = 4 FORMER POND /CURRENT WETLAND AREA

-  INFERRED EXTENT OF RESIDUAL SOIL CONTAMINATION EXCEEDING METALS CLEANUP LEVELS USED BY BAY CHEMICAL FOLLOWING CLEANUP CONDUCTED BETWEEN DECEMBER 2006 TO OCTOBER 2007
-  FORMER POND / CURRENT WETLAND AREA AREA THAT WAS NOT REMEDIATED DURING BAY CHEMICAL CLEANUP; METALS IMPACTS FROM SLUDGE SETTLING POND WINDBLOWN MATERIAL AND SURFACE WATER TRANSPORT REMAIN IN-SITU
-  ESTIMATED LIMITS OF SOIL CLEANUP AT SITE BY BAY CHEMICAL DURING CLEANUP CONDUCTED DECEMBER 2006 TO OCTOBER 2007

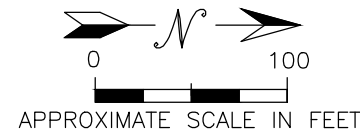
 ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING METALS SOIL CLEANUP LEVELS BASED ON PROTECTION OF GROUNDWATER

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NOTE: SEE METALS SOURCE TECHNICAL MEMORANDUM FOR ADDITIONAL INFORMATION REGARDING EXTENT OF METALS IN SOIL IN AREA 3.




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FIGURE 10b

ESTIMATED EXTENT OF SOIL WITH METALS CONCENTRATIONS EXCEEDING CLEANUP LEVELS BASED ON PROTECTION OF GROUNDWATER



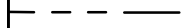
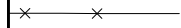
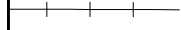

YSF/AGRI-TECH SITE




6 & 10 1/2 EAST WASHINGTON AVENUE, YAKIMA, WA

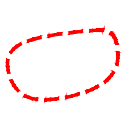
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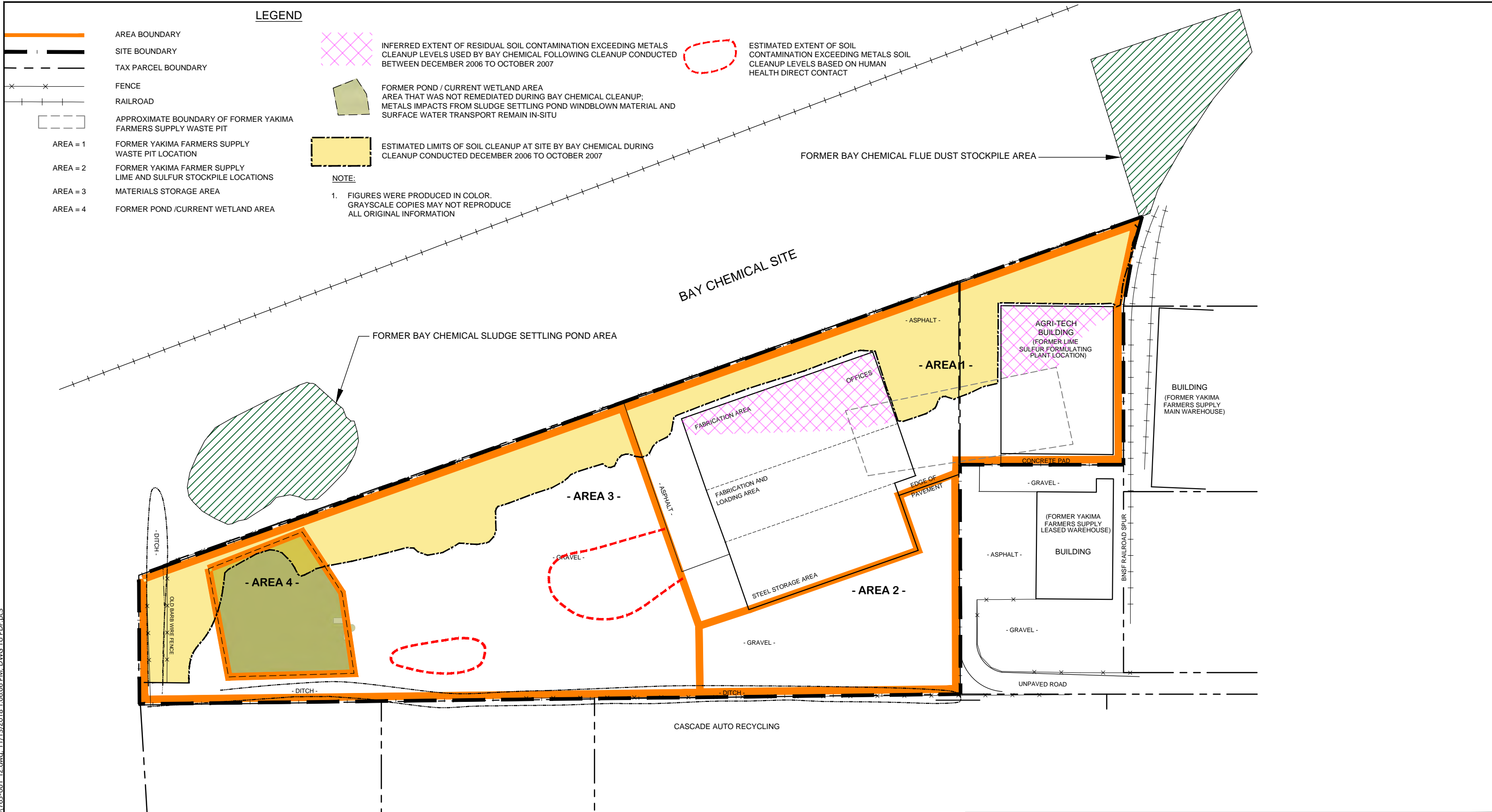
LEGEND

-  AREA BOUNDARY
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 MATERIALS STORAGE AREA
- AREA = 4 FORMER POND /CURRENT WETLAND AREA

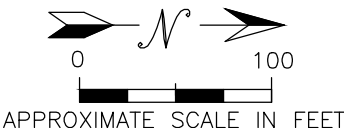
-  INFERRED EXTENT OF RESIDUAL SOIL CONTAMINATION EXCEEDING METALS CLEANUP LEVELS USED BY BAY CHEMICAL FOLLOWING CLEANUP CONDUCTED BETWEEN DECEMBER 2006 TO OCTOBER 2007
-  FORMER POND / CURRENT WETLAND AREA AREA THAT WAS NOT REMEDIATED DURING BAY CHEMICAL CLEANUP; METALS IMPACTS FROM SLUDGE SETTLING POND WINDBLOWN MATERIAL AND SURFACE WATER TRANSPORT REMAIN IN-SITU
-  ESTIMATED LIMITS OF SOIL CLEANUP AT SITE BY BAY CHEMICAL DURING CLEANUP CONDUCTED DECEMBER 2006 TO OCTOBER 2007

 ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING METALS SOIL CLEANUP LEVELS BASED ON HUMAN HEALTH DIRECT CONTACT

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FIGURE 10c

ESTIMATED EXTENT OF SOIL WITH METALS CONCENTRATIONS EXCEEDING CLEANUP LEVELS BASED ON HUMAN HEALTH DIRECT CONTACT

YSF/AGRI-TECH SITE

6 & 10 1/2 EAST WASHINGTON AVENUE, YAKIMA, WA

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LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA 1** FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA 2** FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA 3** YAKIMA STEEL STORAGE YARD AND WETLAND AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- BAY CHEMICAL CLEANUP AREA
- D-TP3 TEST PIT LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-1 WET SEDIMENT SAMPLE LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-2 WET SOIL SAMPLE LOCATION FARALLON CONSULTING (2011)
- PIT B WASHINGTON STATE DEPARTMENT OF ECOLOGY (ECOLOGICAL) TEST PIT (2007)
- TP-2 ENVIRONMENTAL PARTNERS, INC. TEST PIT (2007)
- M ECOLOGY SAMPLING GRID DESIGNATION
- ESTIMATED LATERAL EXTENT OF TYPE 3 WETLAND (EXISTING POND)
- AREAS THAT EXCEED TERRESTRIAL ECOLOGICAL SCREENING LEVELS

Cd = CADMIUM
 Cu = COPPER
 Pb = LEAD
 Mn = MANGANESE
 Hg = MERCURY
 Zn = ZINC
 NA = NOT ANALYZED

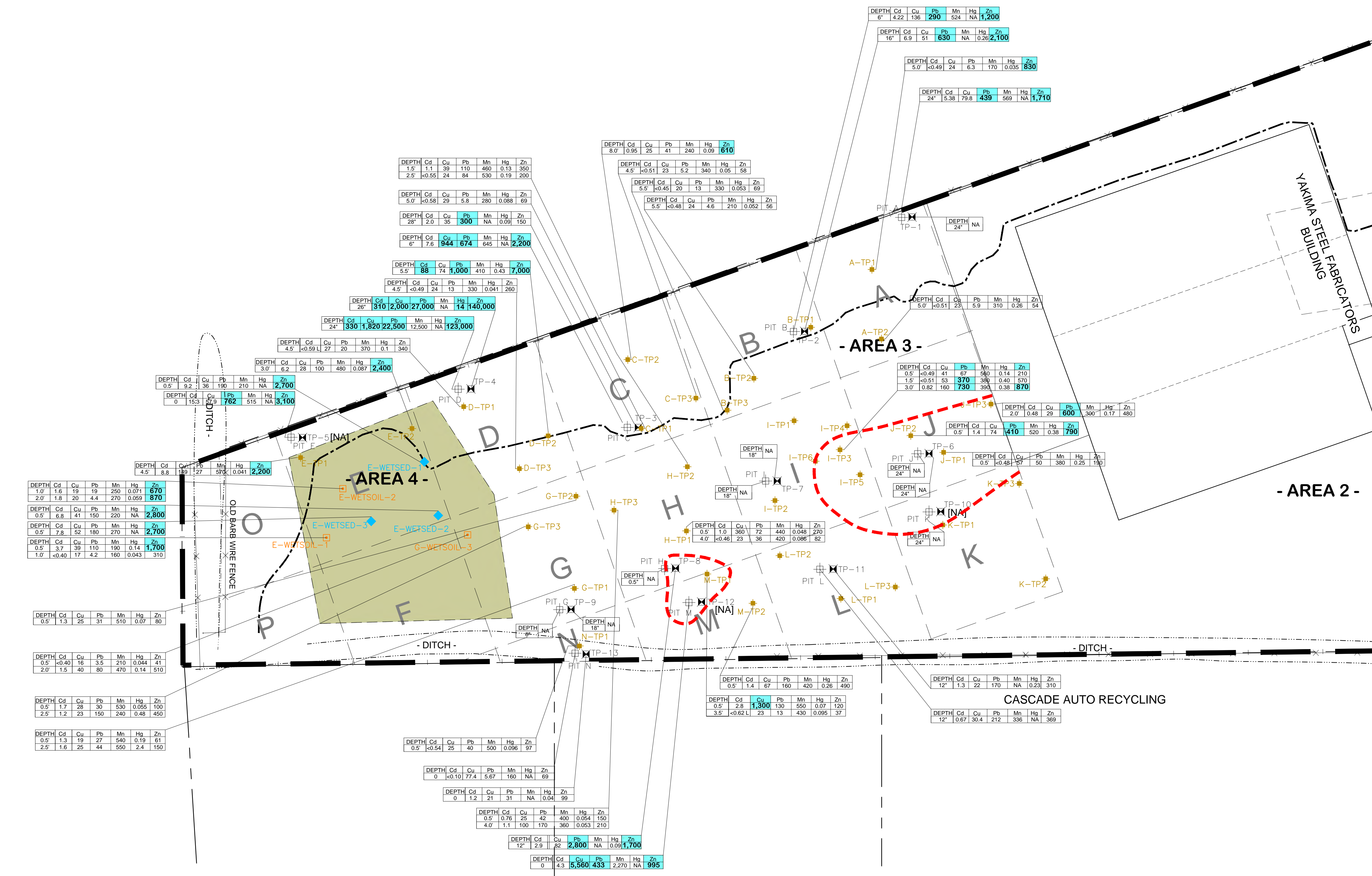
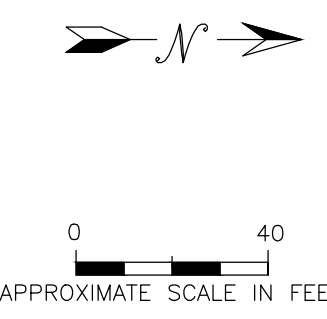
<= INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM DEPTH IN FEET (') OR INCHES (") BELOW GROUND SURFACE

ECOLOGICAL SCREENING LEVELS	Cd	Cu	Pb	Mn	Hg	Zn
	36	550	220	23,500	9	570

ANALYTE HIGHLIGHTED IN BLUE EXCEEDS ECOLOGICAL SCREENING LEVEL FOR AN INDUSTRIAL/COMMERCIAL SITE INDICATED IN TABLE ABOVE.

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TABLES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM Agri-Tech and Yakima Steel Fabricators Site Yakima Steel Fabricators Yakima, Washington

Farallon PN: 765-001

Table 1
Soil and Sediment Constituents of Concern and Cleanup Levels
Yakima Steel Fabricators
Seattle, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Carcinogen or Non-Carcinogen	Soil and Sediment Cleanup Levels											Retained As Constituent of Concern for Feasibility Study	
		Soil												Sediment
		Soil Method A Unrestricted Land Use (mg/kg)	Soil Method A Industrial Properties (mg/kg)	Soil Method B Non-Cancer (mg/kg) ¹	Soil Method B Cancer (mg/kg) ¹	Soil Method B Protective of Groundwater Vadose Zone @ 25 degrees C (mg/kg) ¹	Soil Method B Protective of Groundwater Vadose Zone @ 13 degrees C (mg/kg) ¹	Soil Method B Protection of Groundwater Saturated Zone (mg/kg) ¹	Soil Method C Non-Cancer (mg/kg) ¹	Soil Method C Cancer (mg/kg) ¹	Soil Priority Contaminants of Ecological Concern Industrial or Commercial Site (mg/kg) ²	Dry Weight Sediment Cleanup Objective (mg/kg)		
Tetrachloroethene	Carcinogen	0.05	0.05	480	476.19	0.053	0.050	0.0028	21,000	62,500	Not Applicable	Not Applicable	Yes	
Trichloroethene	Carcinogen	0.03	0.03	40	12	0.026	0.025	0.0015	1,750	2,853.26	Not Applicable	Not Applicable	Yes	
cis-1,2-Dichloroethene	Non-Carcinogen	Not Applicable	Not Applicable	160	Not Applicable	0.080	0.078	0.0052	7,000	Not Applicable	Not Applicable	Not Applicable	Yes	
Vinyl chloride	Carcinogen	Not Applicable	Not Applicable	240	0.67	0.002	0.0017	0.0001	10,500	87.50	Not Applicable	Not Applicable	No	
1,1-Dichloroethene	Non-Carcinogen	Not Applicable	Not Applicable	4,000	Not Applicable	0.050	0.046	0.0025	175,000	Not Applicable	Not Applicable	Not Applicable	No	
1,2-Dichloropropane	Carcinogen	Not Applicable	Not Applicable	7,200	27.78	0.026	0.025	0.0017	315,000	3,645.83	Not Applicable	Not Applicable	Yes	
4,4-DDE* (DDE)	Carcinogen	Not Applicable	Not Applicable	Not Applicable	2.94	0.45	0.45	0.022	Not Applicable	386.03	1	Not Applicable	No	
4,4-DDD* (DDD)	Carcinogen	Not Applicable	Not Applicable	Not Applicable	4.17	0.34	Not Applicable	0.017	Not Applicable	546.88		0.31	No	
Dieldrin	Carcinogen	Not Applicable	Not Applicable	4	0.063	0.0028	0.0028	0.0001	175	8.20	0.17	0.0049	Yes	
Endrin	Non-Carcinogen	Not Applicable	Not Applicable	24	Not Applicable	0.44	Not Applicable	0.022	1,050	Not Applicable	0.4	0.0085	No	
Heptachlor epoxide	Carcinogen	Not Applicable	Not Applicable	1.04	0.11	0.08	Not Applicable	0.0040	45.50	14.42	0.6	Not Applicable	No	
Aldrin	Non-Carcinogen	Not Applicable	Not Applicable	2.40	0.059	0.0025	0.0025	0.0001	105	7.72	0.17	Not Applicable	Yes	
Alpha Chlordane* (Chlordane total)	Carcinogen	Not Applicable	Not Applicable	40	2.86	2.06	2.06	0.10	1,750	375	7	Not Applicable	No	
DRO	Non-Carcinogen	2,000	2,000	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	15,000	340	Yes	
ORO	Non-Carcinogen	2,000	2,000	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	
cPAHs* (TEC)	Carcinogen	0.10	2	Not Applicable	0.14	2.33	Not Applicable	0.12	Not Applicable	17.98	300	17	No	
Antimony	Non-Carcinogen	Not Applicable	Not Applicable	32	Not Applicable	5.42	5.42	0.27	1,400	Not Applicable	Not Applicable	Not Applicable	No	
Arsenic	Carcinogen	20	20	24	0.67	2.92	2.92	0.15	1,050	87.50	20	14	No	
Cadmium	Non-Carcinogen	2	2	80	Not Applicable	0.69	0.69	0.035	Not Applicable	Not Applicable	36	2.10	Yes	
Copper	Non-Carcinogen	Not Applicable	Not Applicable	3,200	Not Applicable	284	284	14.26	140,000	Not Applicable	550	400	Yes	
Lead	Non-Carcinogen	250	1,000	Not Applicable	Not Applicable	3,000	3,000	150	Not Applicable	Not Applicable	220	360	Yes	
Mercury	Non-Carcinogen	2	2	Not Applicable	Not Applicable	2.09	2.09	0.10	Not Applicable	Not Applicable	9	0.66	Yes	
Zinc	Non-Carcinogen	Not Applicable	Not Applicable	24,000	Not Applicable	5,971	5,970	298.98	1,050,000	Not Applicable	570	3,200	Yes	

NOTES:

Bold denotes selected cleanup level.

¹ Cleanup level is based on standard Washington State Model Toxics Control Act Cleanup Regulation (MTCAR) Method B (unrestricted land use) or Method C (industrial land use) values from the Cleanup and Risk Calculations tables (CLARC).

² Cleanup level is based on MTCAR Table 749-2: Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure.

"Not Applicable" is used where the constituent of concern will not affect the media of potential concern due to an incomplete pathway or no pertinent standard exists.

C = Celsius

cPAH = carcinogenic polycyclic aromatic hydrocarbons

DDD = dichlorodiphenyldichloroethane

DDE = dichlorodiphenyldichloroethylene

DRO = total petroleum hydrocarbons as diesel range organics

mg/kg = milligrams per kilogram

ORO = total petroleum hydrocarbons as oil-range organics

TEC = toxicity equivalent concentration

Table 2
Groundwater Constituents of Concern and Cleanup Levels
Yakima Steel Fabricators
Seattle, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Carcinogen or Non-Carcinogen	Groundwater Cleanup Levels					Retained As Constituent of Concern for Feasibility Study
		Groundwater Method A (µg/l)	Groundwater Method B Non-Cancer (µg/l) ¹	Groundwater Method B Cancer (µg/l) ¹	Groundwater Method C Non-Cancer (µg/l) ¹	Groundwater Method C Cancer (µg/l) ¹	
Tetrachloroethene	Carcinogen	5	48	20.83	105	208.33	Yes
Trichloroethene	Carcinogen	5	4	0.54	8.75	9.51	Yes
cis-1,2-Dichloroethene	Non-Carcinogen	Not Applicable	16	Not Applicable	35	Not Applicable	Yes
Vinyl chloride	Carcinogen	0.20	24	0.029	52.50	0.29	Yes
1,1-Dichloroethene	Non-Carcinogen	Not Applicable	400	Not Applicable	875	Not Applicable	No
1,2-dichloropropane	Carcinogen	Not Applicable	720	1.22	1,575	12.15	Yes
4,4-DDE* (DDE)	Carcinogen	Not Applicable	Not Applicable	0.26	Not Applicable	2.57	Yes
4,4-DDD* (DDD)	Carcinogen	Not Applicable	Not Applicable	0.36	Not Applicable	3.65	Yes
Dieldrin	Carcinogen	Not Applicable	0.80	0.0055	1.75	0.055	Yes
Endrin	Non-Carcinogen	Not Applicable	4.80	Not Applicable	10.50	Not Applicable	No
Heptachlor epoxide	Carcinogen	Not Applicable	0.10	0.0048	0.23	0.048	No
Aldrin	Non-Carcinogen	Not Applicable	0.24	0.0026	0.53	0.026	No
Alpha chlordane* (chlordane total)	Carcinogen	Not Applicable	8	0.25	17.50	2.50	No
DRO	Non-Carcinogen	500	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
ORO	Non-Carcinogen	500	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
cPAHs* (TEC)	Carcinogen	0.10	Not Applicable	0.012	Not Applicable	0.12	No
Antimony	Non-Carcinogen	Not Applicable	6.40	Not Applicable	14	Not Applicable	No
Arsenic	Carcinogen	5	4.80	0.058	10.50	0.58	No
Cadmium	Non-Carcinogen	5	8	Not Applicable	17.50	Not Applicable	No
Copper	Non-Carcinogen	Not Applicable	Not Applicable	640	Not Applicable	1,400	No
Lead	Non-Carcinogen	15	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Mercury	Non-Carcinogen	2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Zinc	Non-Carcinogen	Not Applicable	4,800	Not Applicable	10,500	Not Applicable	No

NOTES:

Bold denotes selected cleanup level.

¹Cleanup level is based on standard Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B (unrestricted land use) or Method C (industrial land use) values from the Cleanup and Risk Calculations tables (CLARC).

"Not Applicable" is used where the constituent of concern will not affect the media of potential concern due to an incomplete pathway or no pertinent standard exists.

cPAH = carcinogenic polycyclic aromatic hydrocarbons

DDD = dichlorodiphenyldichloroethane

DDE = dichlorodiphenyldichloroethylene

DRO = total petroleum hydrocarbons as diesel-range organics

µg/l = micrograms per liter

ORO = total petroleum hydrocarbons as oil-range organics

TEC = toxic equivalent concentration

Table 3
Surface Water Constituents of Concern and Cleanup Levels
Yakima Steel Fabricators
Seattle, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Carcinogen or Non-Carcinogen	Surface Water Cleanup Levels										Retained As Constituent of Concern for Feasibility Study
		Surface Water Method B Non-Cancer (µg/l) ¹	Surface Water Method B Cancer (µg/l) ¹	Aquatic Life Criteria Freshwater Acute, 173-201A WAC (µg/l) ²	Aquatic Life Criteria Freshwater Chronic, 173-201A WAC (µg/l) ²	Human Health Criteria for Consumption of Water and Organisms, 173-201A WAC (µg/l) ²	Human Health Criteria for Consumption of Organisms Only, 173-201A WAC (µg/l) ²	Aquatic Life Criteria Freshwater Acute, CWA §304 (µg/l)	Aquatic Life Criteria Freshwater Chronic, CWA §304 (µg/l)	Aquatic Life Criteria Freshwater Acute, NTR 40 CFR 131 (µg/l)	Aquatic Life Criteria Freshwater Chronic, NTR 40 CFR 131 (µg/l)	
Antimony	Non-Carcinogen	1,040	Not Applicable	Not Applicable	Not Applicable	12	180	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
Arsenic	Carcinogen	17.7	0.0982	360	190	10	10	340	150	360	190	Yes
Cadmium	Non-Carcinogen	40.5	Not Applicable	calc ³	calc ³	Not Applicable	Not Applicable	2.0	0.25	3.9	1.0	Yes
Copper	Non-Carcinogen	2,880	Not Applicable	calc ³	calc ³	1,300	Not Applicable	13.0	9.0	17.0	11.0	Yes
Lead	Non-Carcinogen	Not Applicable	Not Applicable	calc ³	calc ³	Not Applicable	Not Applicable	65.0	2.5	65.0	2.5	Yes
Manganese	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
Mercury	Non-Carcinogen	Not Applicable	Not Applicable	2.1	0.012	Not Applicable	Not Applicable	1.4	0.77	2.1	0.012	Yes
Zinc	Non-Carcinogen	Not Applicable ⁴	Not Applicable	calc ³	calc ³	Not Applicable ⁴	Not Applicable ⁴	120	120	110	100	Yes

NOTES:

Bold denotes selected cleanup level.

¹Cleanup level is based on standard Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B (unrestricted land use) values from the Cleanup and Risk Calculations tables (CLARC).

²Value from Table 240, Section 250 of the Water Quality Standards for Surface Waters of the State of Washington, as established in Chapter 173-201A of the Washington Administrative Code (WAC 173-201A), as amended on August 1, 2016.

³Site-specific value to be calculated using hardness values for surface water samples from the Site. Calculations are based on formulas in Table 240, Section 250 of the Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A), as amended on August 1, 2016.

⁴Method B equations and human health criteria for surface water are based on the assumption that surface water has the potential to support fish or shellfish populations. This criteria does not apply to the wetland on the Site.

"Not Applicable" is used where no standard has been established for the constituent of concern.

calc = calculated value

CFR = Code of Federal Regulations

CWA = Clean Water Act

µg/l = micrograms per liter

NTR = National Toxics Rule

WAC = Washington Administrative Code

Table 4
Soil Gas and Indoor Air Constituents of Concern and Cleanup Levels
Yakima Steel Fabricators
Seattle, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Carcinogen or Non-Carcinogen	Air Cleanup Levels				Retained As Constituent of Concern for Feasibility Study
		Air Method B Non-Cancer ($\mu\text{g}/\text{m}^3$) ¹	Air Method B Cancer ($\mu\text{g}/\text{m}^3$) ¹	Air Method C Non-Cancer ($\mu\text{g}/\text{m}^3$) ¹	Air Method C Cancer ($\mu\text{g}/\text{m}^3$) ¹	
Tetrachloroethene	Carcinogen	18.29	9.62	40	96	Yes
Trichloroethene	Carcinogen	0.91	0.37	2	6	Yes
cis-1,2-Dichloroethene	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Vinyl chloride	Carcinogen	45.71	0.28	100	3	Yes
Chloromethane	Non-Carcinogen	41.10	Not Applicable	90.0	Not Applicable	No
1,1-Dichloroethene	Non-Carcinogen	91.43	Not Applicable	200	Not Applicable	No
1,2-dichloropropane	Carcinogen	1.83	0.25	4	3	No
4,4-DDE* (DDE)	Carcinogen	Not Applicable	0.026	Not Applicable	0.26	No
4,4-DDD* (DDD)	Carcinogen	Not Applicable	0.036	Not Applicable	0.36	No
Dieldrin	Carcinogen	Not Applicable	0.00054	Not Applicable	0.01	No
Endrin	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Heptachlor epoxide	Carcinogen	Not Applicable	0.00096	Not Applicable	0.01	No
Aldrin	Non-Carcinogen	Not Applicable	0.00051	Not Applicable	0.01	No
Alpha chlordane* (chlordane total)	Carcinogen	0.32	0.025	0.70	0.25	No
DRO	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
ORO	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
cPAHs* (TEC)	Carcinogen	Not Applicable	0.0023	Not Applicable	0.02	No
Antimony	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Arsenic	Carcinogen	0.007	0.00058	0.015	0.006	No
Cadmium	Non-Carcinogen	0.005	0.0014	0.010	0.014	No
Copper	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Lead	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
Mercury	Non-Carcinogen	0.14	Not Applicable	0.30	Not Applicable	No
Zinc	Non-Carcinogen	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

NOTES:

Bold denotes selected cleanup level.

"Not Applicable" is used where the constituent of concern will not affect the media of potential concern due to an incomplete pathway or no pertinent standard exists.

¹Cleanup level is based on standard Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B (unrestricted land use) or Method C (industrial land use) values from the Cleanup and Risk Calculations tables (CLARC).

cPAH = carcinogenic polycyclic aromatic hydrocarbons

DDD = dichlorodiphenyldichloroethane

DDE = dichlorodiphenyldichloroethylene

DRO = total petroleum hydrocarbons as diesel range organics

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter of air

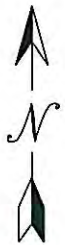
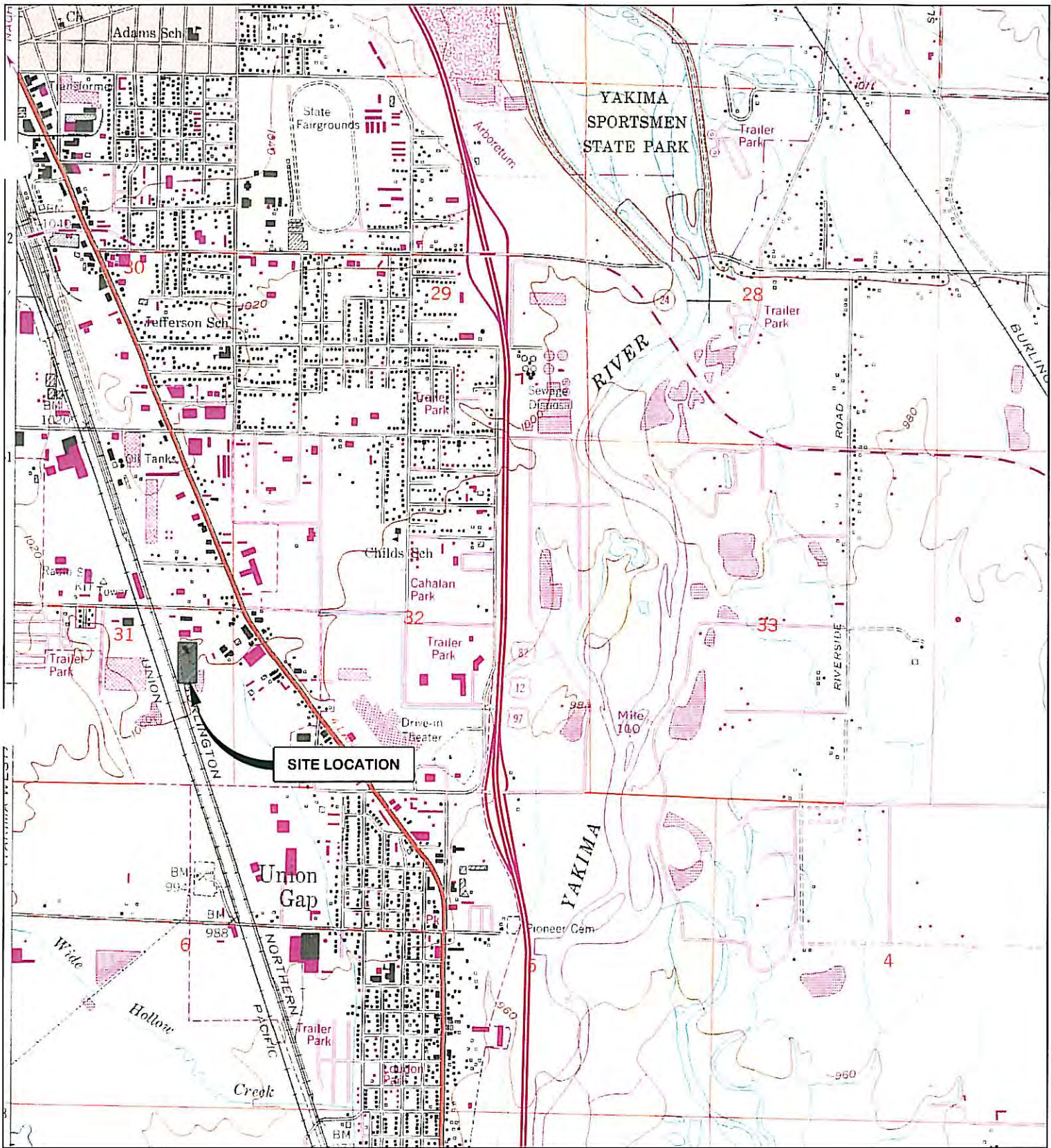
ORO = total petroleum hydrocarbons as oil-range organics

TEC = toxicity equivalent concentration

ATTACHMENT A
YSF REMEDIAL INVESTIGATION FIGURES AND TABLES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington


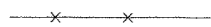
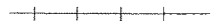
Farallon PN: 765-001



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 Issaquah, WA 98027

FIGURE 1
 SITE LOCATION AND REGIONAL
 TOPOGRAPHIC MAP
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVNU.E.
 YAKIMA, WASHINGTON
 FARALLON PN: 765-001

LEGEND

-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD

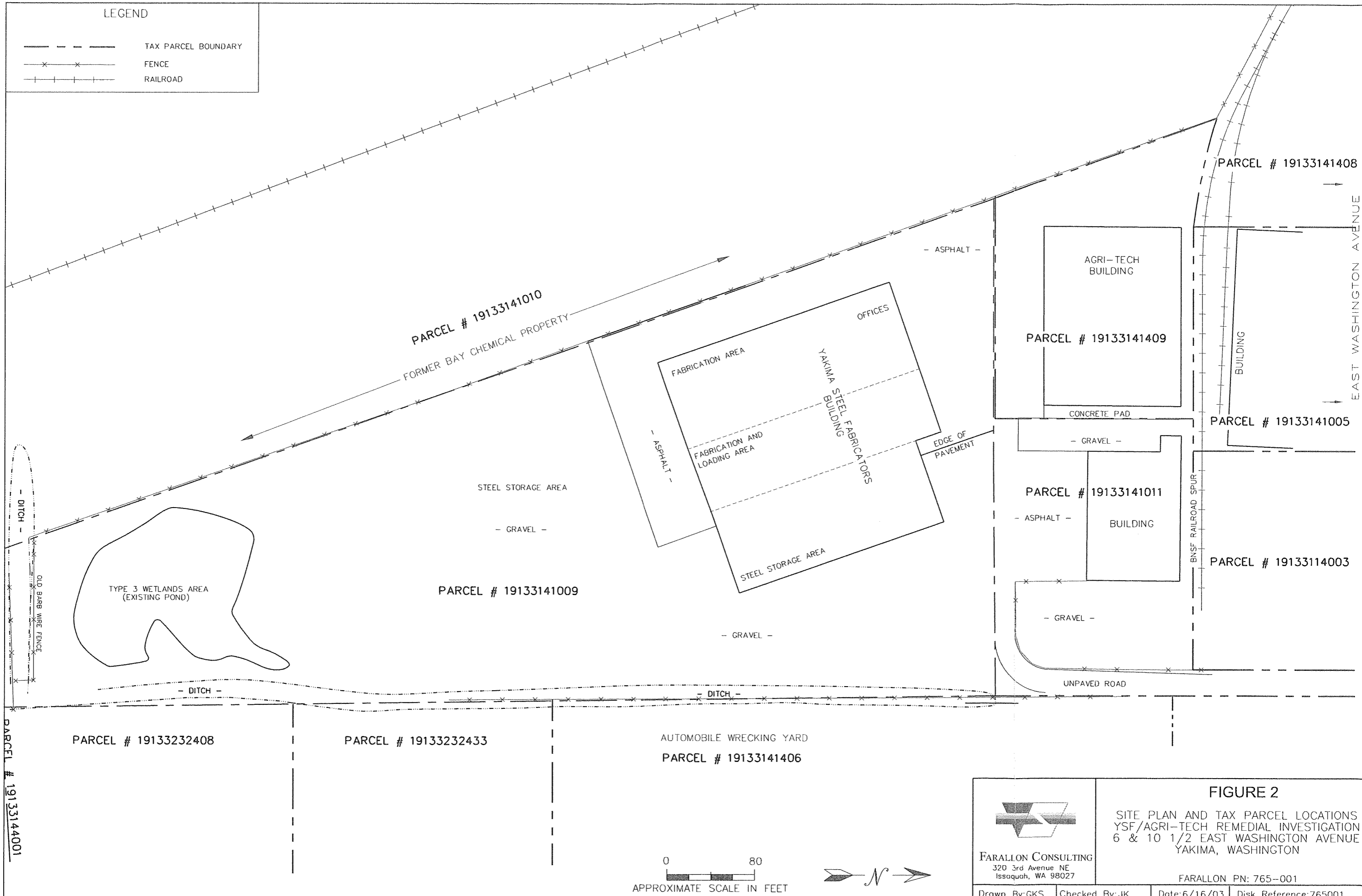


FIGURE 2

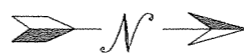
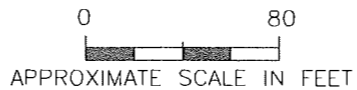
SITE PLAN AND TAX PARCEL LOCATIONS
YSF/AGRI-TECH REMEDIAL INVESTIGATION
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON












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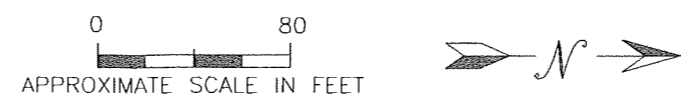
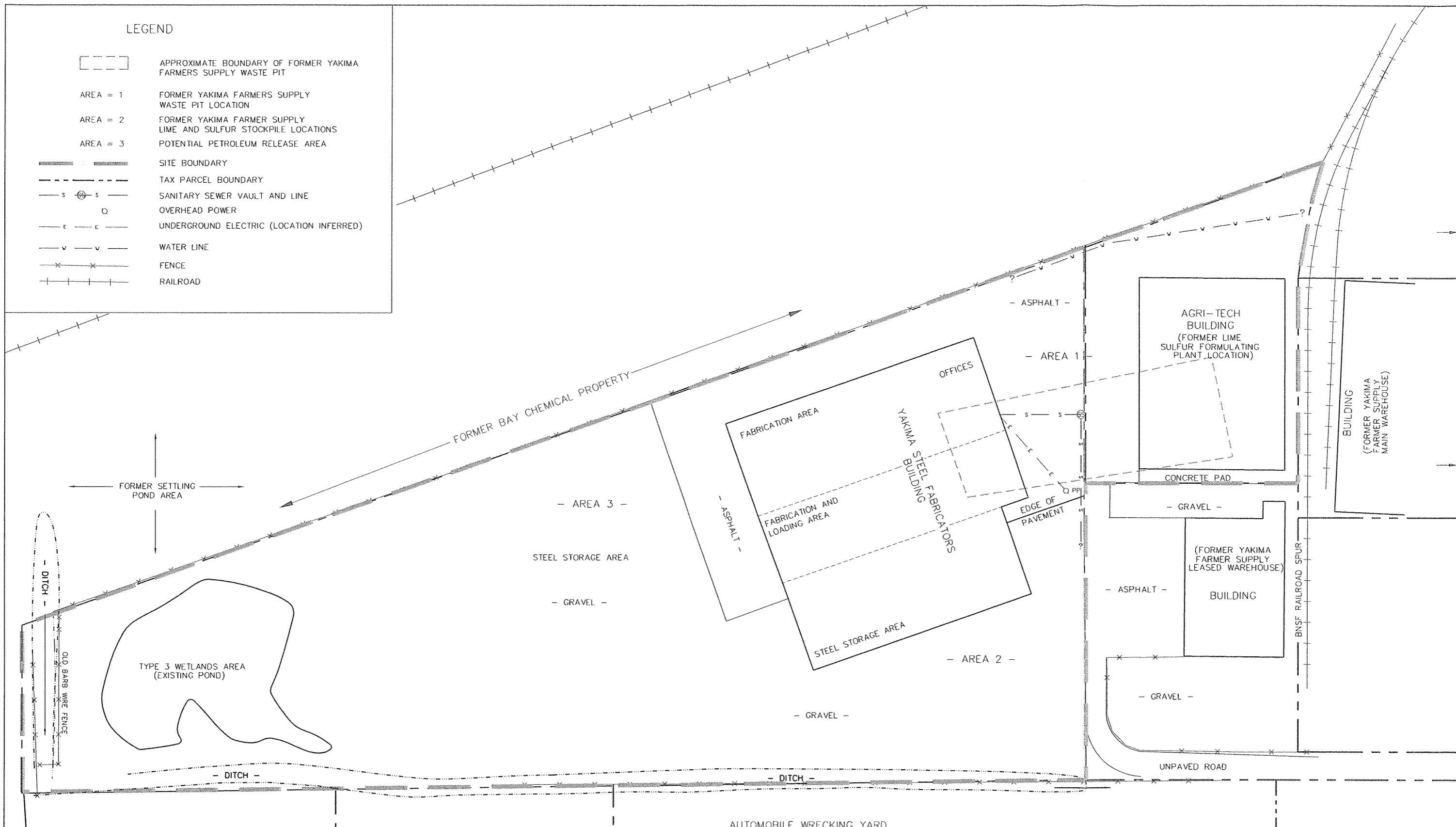
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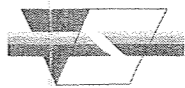
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




LEGEND






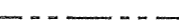


-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  SANITARY SEWER VAULT AND LINE
-  OVERHEAD POWER
-  UNDERGROUND ELECTRIC (LOCATION INFERRED)
-  WATER LINE
-  FENCE
-  RAILROAD



 FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027	FIGURE 3 SITE PLAN YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON	
	FARALLON PN: 765-001	
Drawn By: GKS	Checked By: JK	Date: 6/16/03
Disk Reference: 765001		

LEGEND

- MW-7A  SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B  DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2  SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5  DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6  MONITORING WELL INSTALLED BY ECOLOGY (1992)
- MW-6  SHALLOW BAY CHEMICAL PROPERTY MONITORING WELL INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)

-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1  FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2  FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3  POTENTIAL PETROLEUM RELEASE AREA
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD

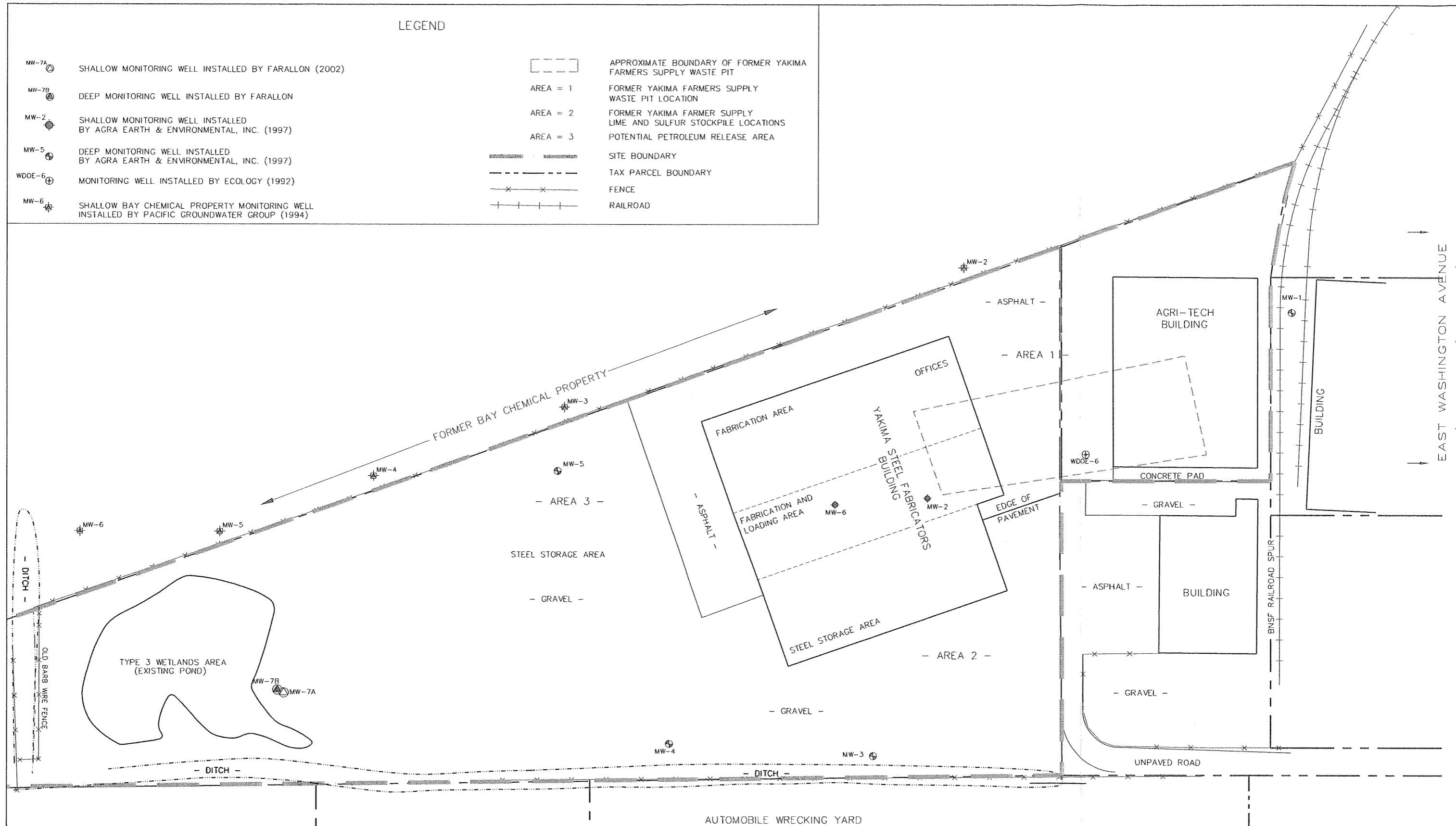


FIGURE 4

SITE PLAN WITH
GROUNDWATER MONITORING WELL LOCATIONS
YSF/AGRI-TECH REMEDIAL INVESTIGATION
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON


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FARALLON PN: 765-001

Drawn By:GKS | Checked By:JK | Date:4/11/03 | Disk Reference:765001

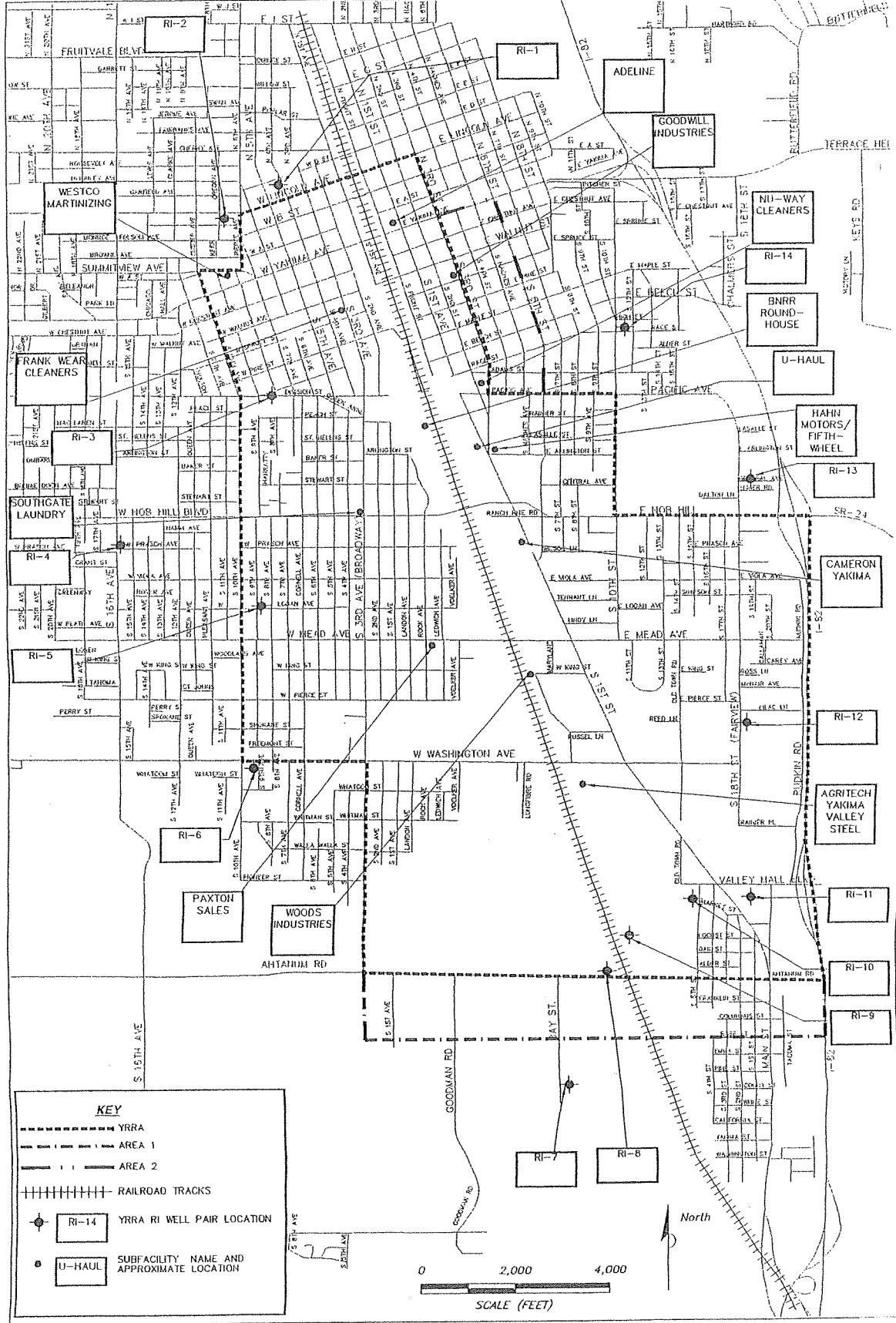


FIGURE 5

SURROUNDING CONFIRMED OR SUSPECTED CONTAMINATED SITES
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 YAKIMA, WASHINGTON



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FARALLON PN: 765-001







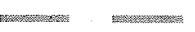

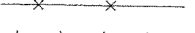

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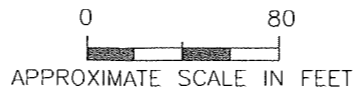
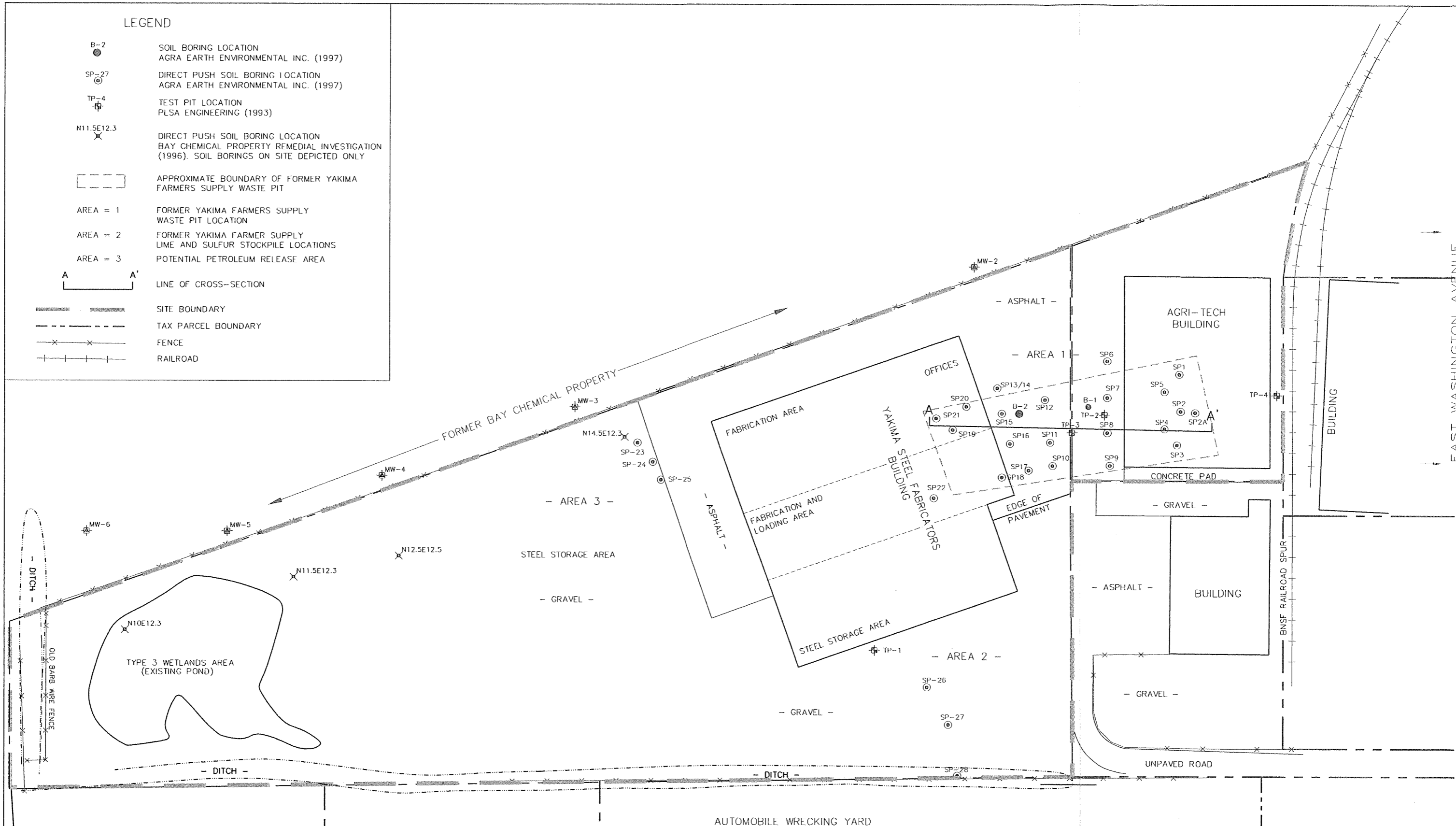
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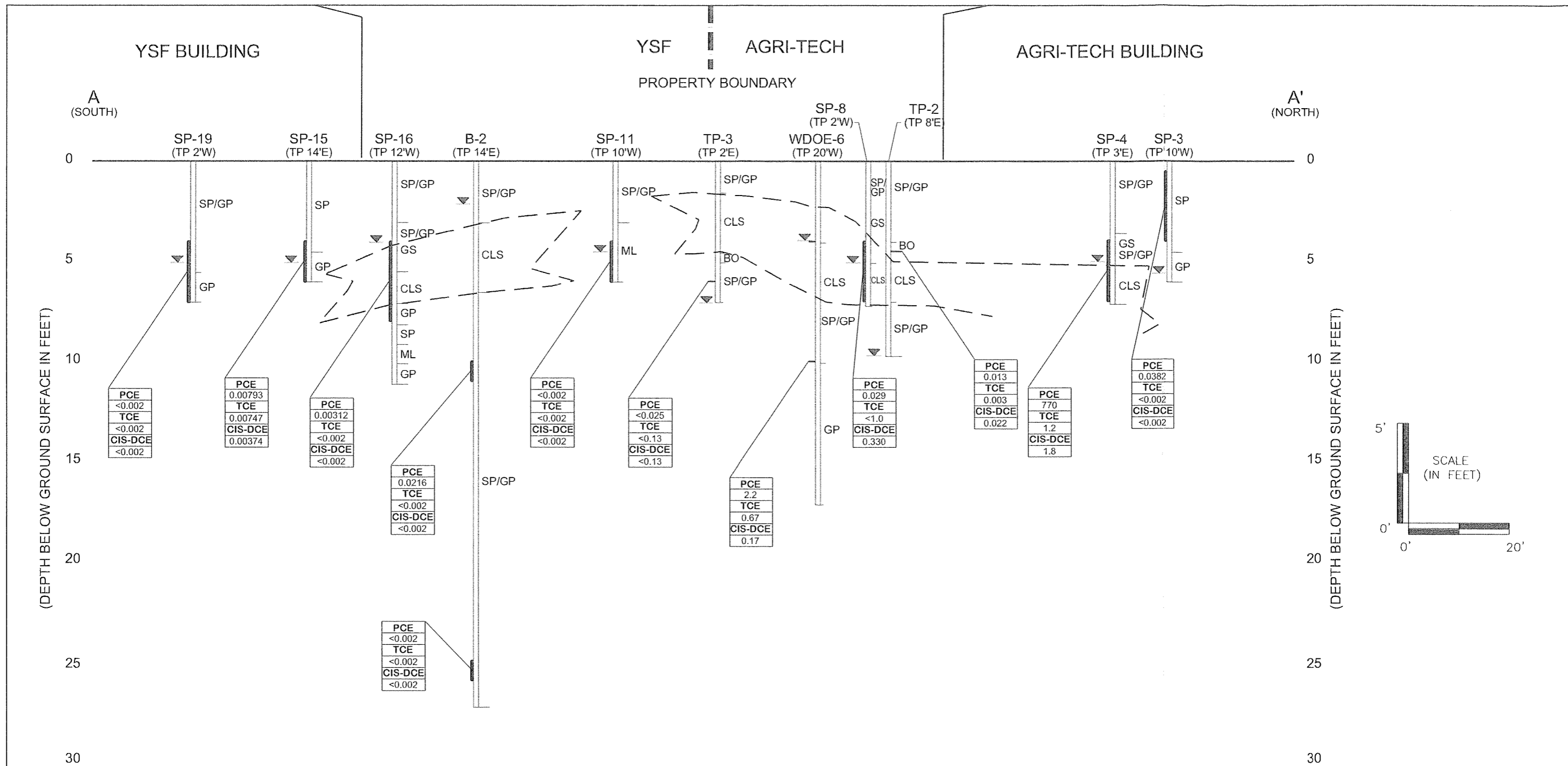
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LEGEND

-  SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
-  DIRECT PUSH SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
-  TEST PIT LOCATION
PLSA ENGINEERING (1993)
-  DIRECT PUSH SOIL BORING LOCATION
BAY CHEMICAL PROPERTY REMEDIAL INVESTIGATION
(1996). SOIL BORINGS ON SITE DEPICTED ONLY
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA
FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY
WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY
LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
-  LINE OF CROSS-SECTION
-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD



 FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027	FIGURE 6 SITE PLAN WITH SOIL BORING LOCATIONS YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON
	FARALLON PN: 765-001 Drawn By:GKS Checked By:JK Date:6/16/03 Disk Reference:765001



LEGEND

<p>SP-8 (TP72'S)</p> <p>BORING LOCATION TRANPOSED (TP) IN FEET, NORTH (N), SOUTH (S), EAST (E), OR WEST (W) TO CROSS SECTION LINE.</p> <p>SOIL SAMPLE INTERVAL</p> <p>BLANK CASING</p> <p>GEOLOGIC CONTACT, INFERRED WHERE QUERIED</p> <p>BORING SAMPLE INTERVAL</p>	<p>SP-19 = DIRECT PUSH SOIL BORING LOCATION</p> <p>B-2 = SOIL BORING LOCATION</p> <p>TP-2 = TEST PIT LOCATION</p> <p>WDOE-6 = MONITORING WELL LOCATION</p> <p>GP = GRAVEL WITH VARYING AMOUNTS OF SAND AND SILT</p> <p>SP = SAND WITH VARYING AMOUNTS OF SILT AND GRAVEL</p> <p>SP/GP = SAND AND GRAVEL WITH VARYING AMOUNTS SILT</p> <p>ML = SILT WITH VARYING AMOUNTS OF SAND AND GRAVEL</p> <p>CLS = CLAYEY SUBSTANCE, GREEN-GREY TO YELLOW-GREY, MAY BE MIXED WITH SP/GP/ML</p> <p>GS = GRANULAR SULFUR, MAY BE MIXED WITH SP/GP/ML</p> <p>BO = BLACK, ORGANIC MATERIAL</p> <p>▽ = DEPTH TO WATER AT TIME OF DRILLING</p>	<table border="1"> <tr><td>PCE</td><td><0.050</td></tr> <tr><td>TCE</td><td><0.050</td></tr> <tr><td>CIS-DCE</td><td>0.132</td></tr> </table> <p>SOIL ANALYTICAL RESULTS IN (MILLIGRAMS PER KILOGRAM)</p> <p>PCE = TETRACHLOROETHENE</p> <p>TCE = TRICHLOROETHENE</p> <p>CIS-DCE = CIS 1,2-DICHLOROETHENE</p>	PCE	<0.050	TCE	<0.050	CIS-DCE	0.132
PCE	<0.050							
TCE	<0.050							
CIS-DCE	0.132							

<p>FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027</p>	<p>FIGURE 7</p> <p>CROSS-SECTION A-A' VOLATILE ORGANIC COMPOUNDS SOIL ANALYTICAL RESULTS YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON</p> <p>FARALLON PN: 765-001</p>
<p>Drawn By:GKS Checked By:JK Date:6/16/03 Disk Reference:765001</p>	

LEGEND

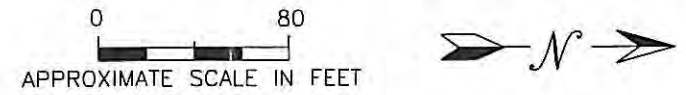
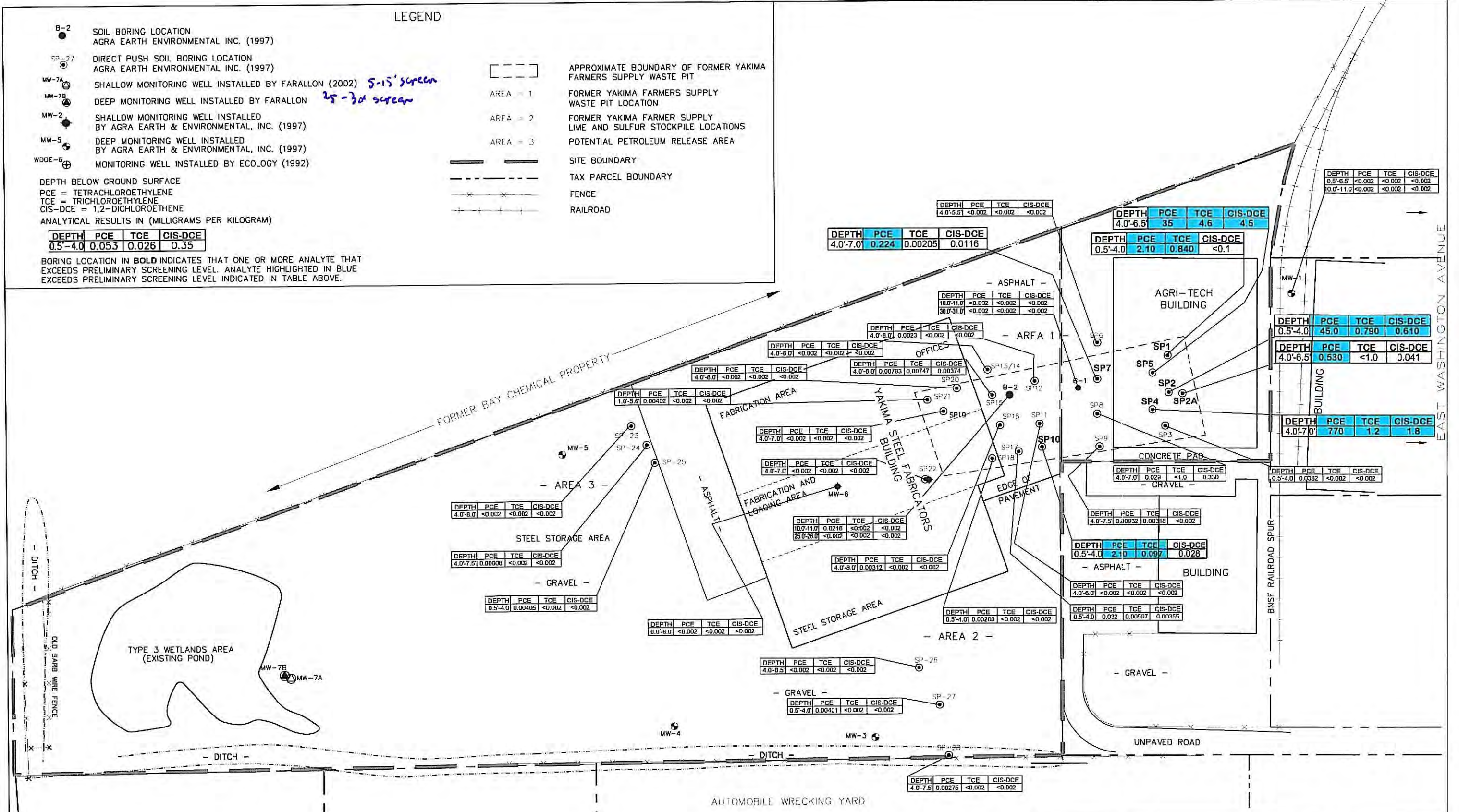
- B-2 SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
- SP-27 DIRECT PUSH SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002) *5-15' screen*
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON *25-30' screen*
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)


- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- == SITE BOUNDARY
- - - TAX PARCEL BOUNDARY
- x - x - FENCE
- + - + - RAILROAD

DEPTH BELOW GROUND SURFACE
 PCE = TETRACHLOROETHYLENE
 TCE = TRICHLOROETHYLENE
 CIS-DCE = 1,2-DICHLOROETHENE
 ANALYTICAL RESULTS IN (MILLIGRAMS PER KILOGRAM)

DEPTH	PCE	TCE	CIS-DCE
0.5'-4.0'	0.053	0.026	0.35

BORING LOCATION IN BOLD INDICATES THAT ONE OR MORE ANALYTE THAT EXCEEDS PRELIMINARY SCREENING LEVEL. ANALYTE HIGHLIGHTED IN BLUE EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.





FARALLON CONSULTING
 320 3rd Avenue NE
 Issaquah, WA 98027

FIGURE 9

SOIL ANALYTICAL
 RESULTS: VOLATILE ORGANIC COMPOUNDS
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON

FARALLON PN: 765-001

Drawn By:GKS
Checked By:JK
Date:4/6/04
Disk Reference:765001

LEGEND

- B-2 SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
- SP-27 DIRECT PUSH SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)

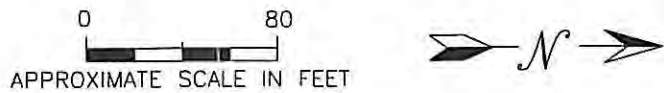
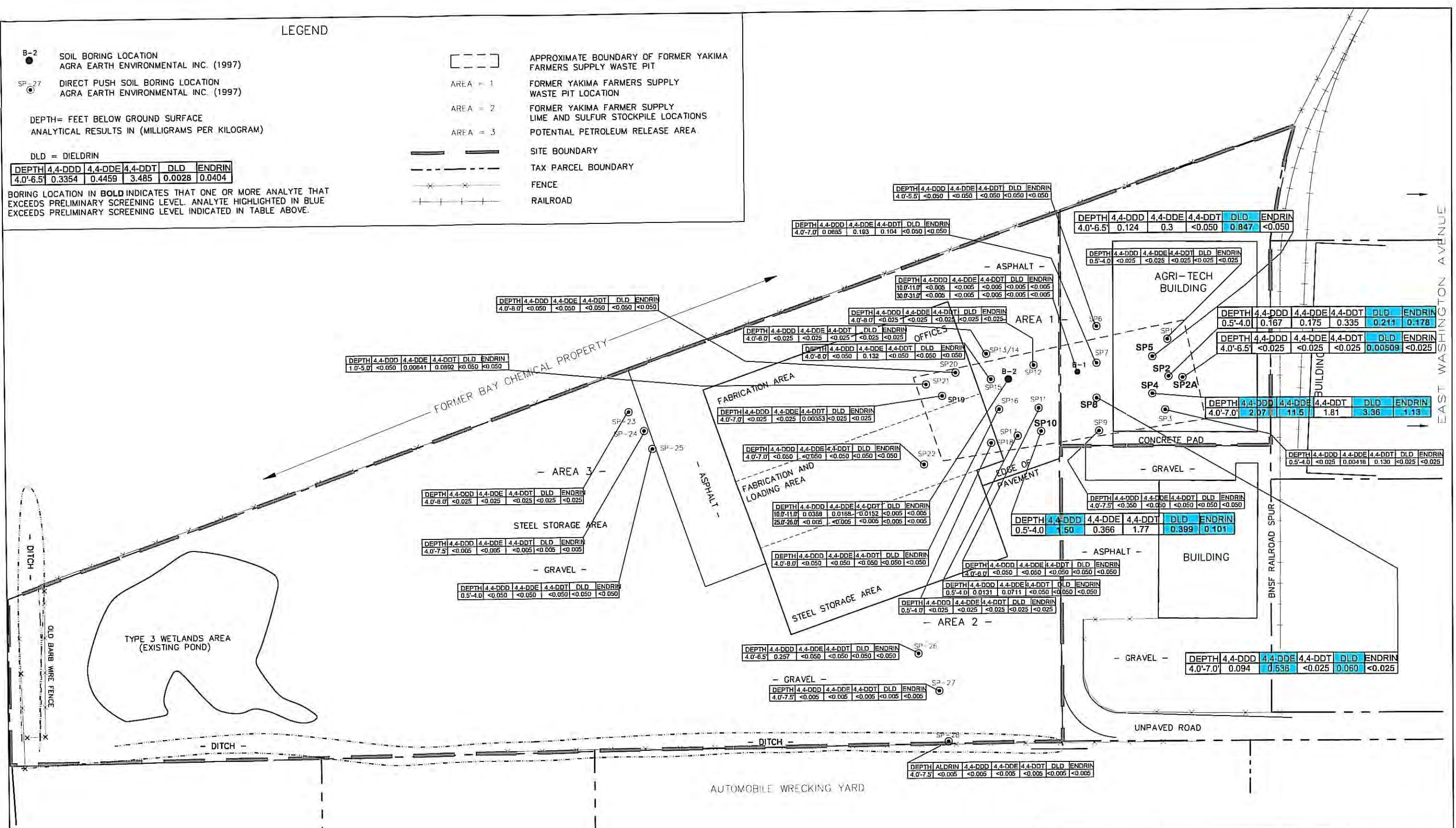
DEPTH= FEET BELOW GROUND SURFACE
ANALYTICAL RESULTS IN (MILLIGRAMS PER KILOGRAM)

DLD = DIELDRIN

DEPTH	4,4-DDD	4,4-DDE	4,4-DDT	DLD	ENDRIN
4.0'-6.5'	0.3354	0.4459	3.485	0.0028	0.0404

BORING LOCATION IN BOLD INDICATES THAT ONE OR MORE ANALYTE THAT EXCEEDS PRELIMINARY SCREENING LEVEL. ANALYTE HIGHLIGHTED IN BLUE EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.

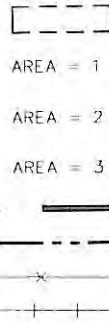
- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD



<p>FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027</p>	<p>FIGURE 10</p> <p>SOIL ANALYTICAL RESULTS: PESTICIDES YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON</p>		
	<p>FARALLON PN: 765-001</p>		
Drawn By:GKS	Checked By:JK	Date:4/6/04	Disk Reference:765001

LEGEND

- SP-27 DIRECT PUSH SOIL BORING LOCATION
AGRA EARTH ENVIRONMENTAL INC. (1997)
- MW-E SHALLOW BAY CHEMICAL SITE MONITORING WELL
INSTALLED BY PACIFIC GROUNDWATER GROUP (1994)
- N11.5E12.3 DIRECT PUSH SOIL BORING LOCATION
BAY CHEMICAL SITE REMEDIAL INVESTIGATION
(1996). SOIL BORINGS ON SITE DEPICTED ONLY
- APPROXIMATE BOUNDARY OF FORMER YAKIMA
FARMERS SUPPLY WASTE PIT



- APPROXIMATE BOUNDARY OF FORMER YAKIMA
FARMERS SUPPLY WASTE PIT
- FORMER YAKIMA FARMERS SUPPLY
WASTE PIT LOCATION
- FORMER YAKIMA FARMER SUPPLY
LIME AND SULFUR STOCKPILE LOCATIONS
- POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
4.0'-8.0'	20	2	1,000	2	24,000

DEPTH= FEET BELOW GROUND SURFACE
ANALYTICAL RESULTS (MILLIGRAMS PER KILOGRAM)
-- = NOT ANALYZED

BORING LOCATION IN BOLD INDICATES THAT ONE OR MORE ANALYTE THAT
EXCEEDS PRELIMINARY SCREENING LEVEL. ANALYTE HIGHLIGHTED IN BLUE
EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	210	23	970	0.22	5,500
2.5'	110	66	4,300	1.65	16,000
5'	<68	2,000	2,300	0.123	68,000

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
4.0'-8.0'	<5.0	1.05	155	<0.050	579

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	<170	510	35,500	17.4	260,000
2.5'	<170	460	29,000	14.6	260,000
5'	<110	77	8,700	1.99	43,000

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	4.6	3.8	410	0.234	1,200
7.5'	3.9	3.7	49	0.047	1,700
10'	<2.7	9.7	740	0.312	3,700
15'	7.3	5	650	0.218	1,800

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	<140	460	28,000	0.423	290,000
2.5'	<36	330	35,000	8.4	180,000
7.5'	<1.9	30	1,700	0.357	14,000

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
4.0'-7.5'	3.35	23.4	<0.500	5.09	5,750

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
4.0'-8.0'	6.3	5.49	47.7	0.137	3,240

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	--	--	420	--	--
1.5'	--	--	140	--	--
3.5'	--	--	130	--	--
5.5'	--	--	20	--	--

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	--	--	190	--	--
1.5'	--	--	82	--	--
3.5'	--	--	28	--	--
5.5'	--	--	51	--	--

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	--	--	24,000	--	--
1.5'	--	--	1,700	--	--
3.5'	--	--	160	--	--
5.5'	--	--	44	--	--

DEPTH	ARSENIC	CADMIUM	LEAD	MERCURY	ZINC
0	<29	150	12,000	6.23	14,000
2.5'	<2.3	16	640	0.453	3,900
5'	<2.2	2.3	18	0.078	640

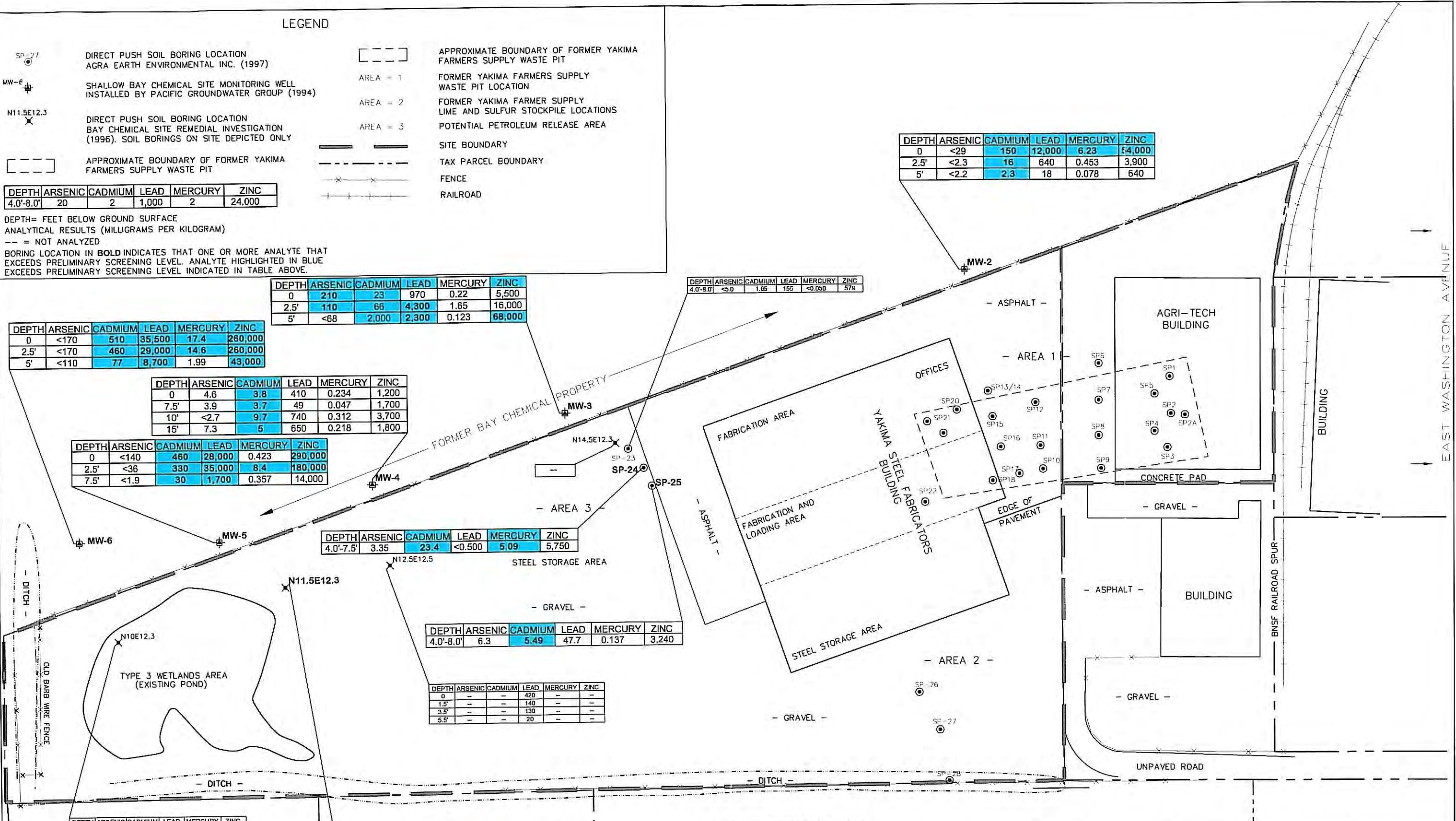


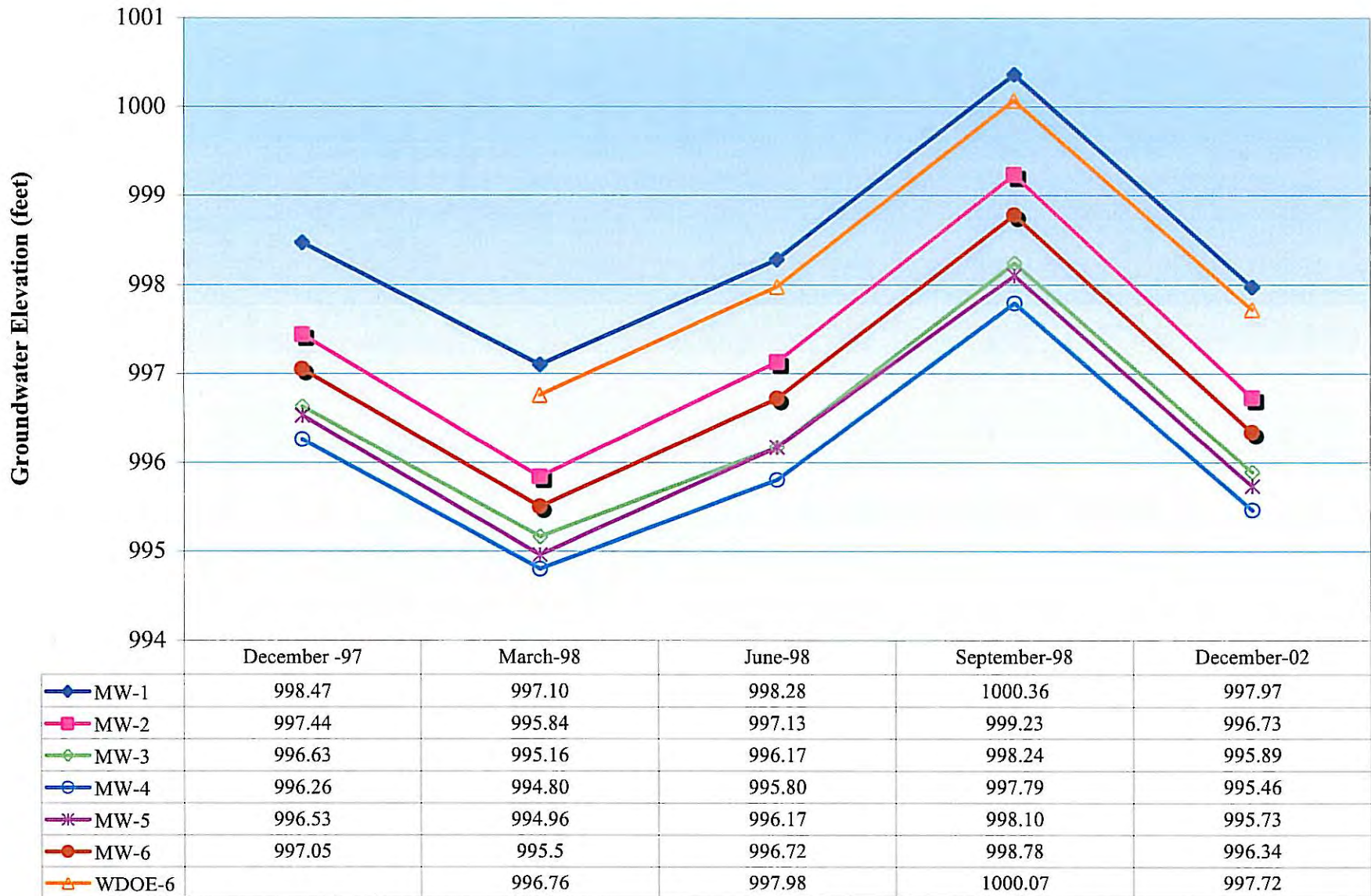
FIGURE 12
SOIL ANALYTICAL RESULTS: METALS
YSF/AGRI-TECH REMEDIAL INVESTIGATION
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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FARALLON PN: 765-001

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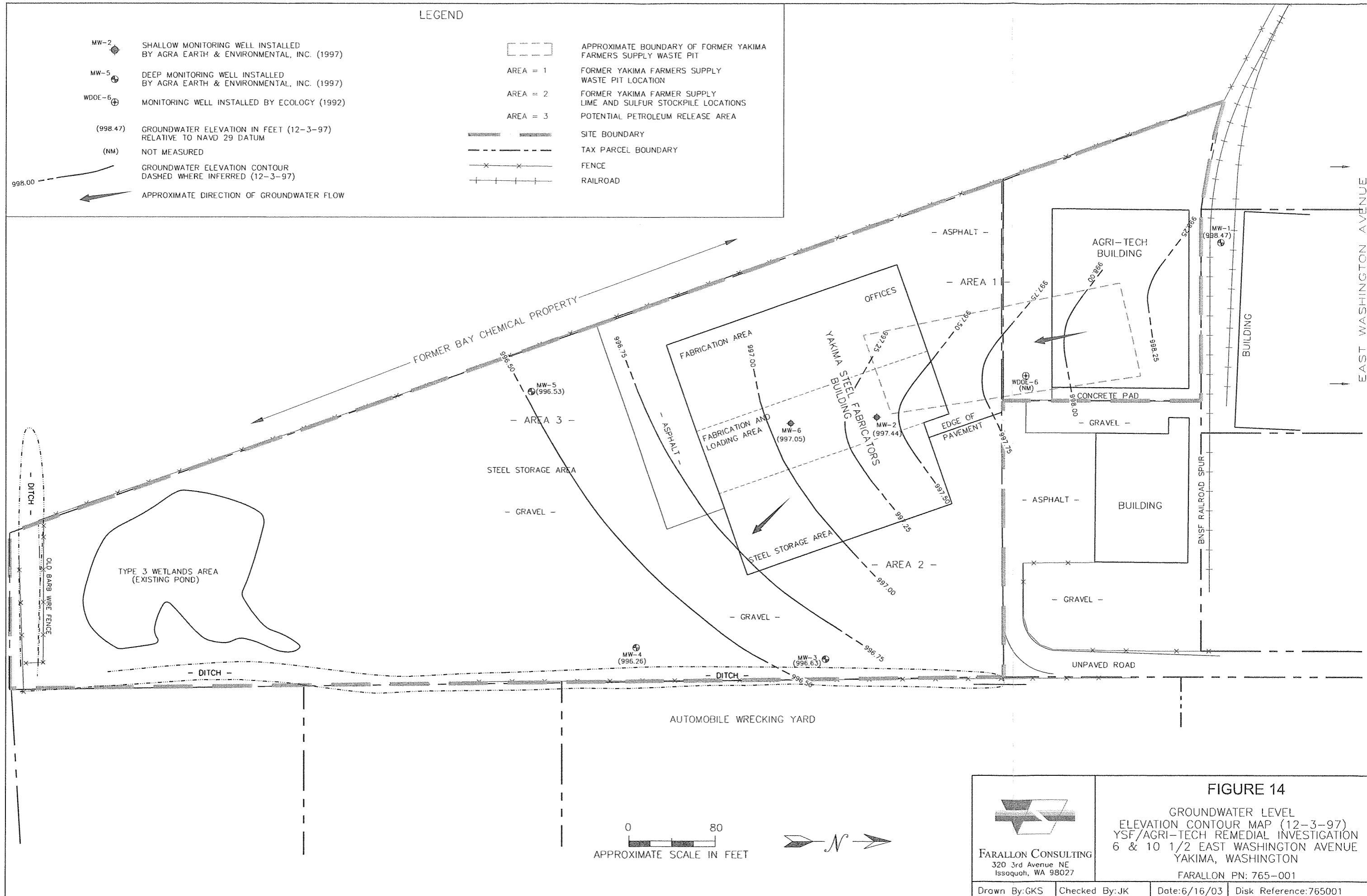
Figure 13- Groundwater Elevation Hydrograph
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

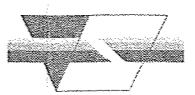


LEGEND

- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- (998.47) GROUNDWATER ELEVATION IN FEET (12-3-97) RELATIVE TO NAVD 29 DATUM
- (NM) NOT MEASURED
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (12-3-97)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD



 FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027	FIGURE 14 GROUNDWATER LEVEL ELEVATION CONTOUR MAP (12-3-97) YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON FARALLON PN: 765-001		
	Drawn By:GKS	Checked By:JK	Date:6/16/03

LEGEND

- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- (997.10) GROUNDWATER ELEVATION IN FEET (3-3-98) RELATIVE TO NAVD 29 DATUM
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (3-3-98)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD

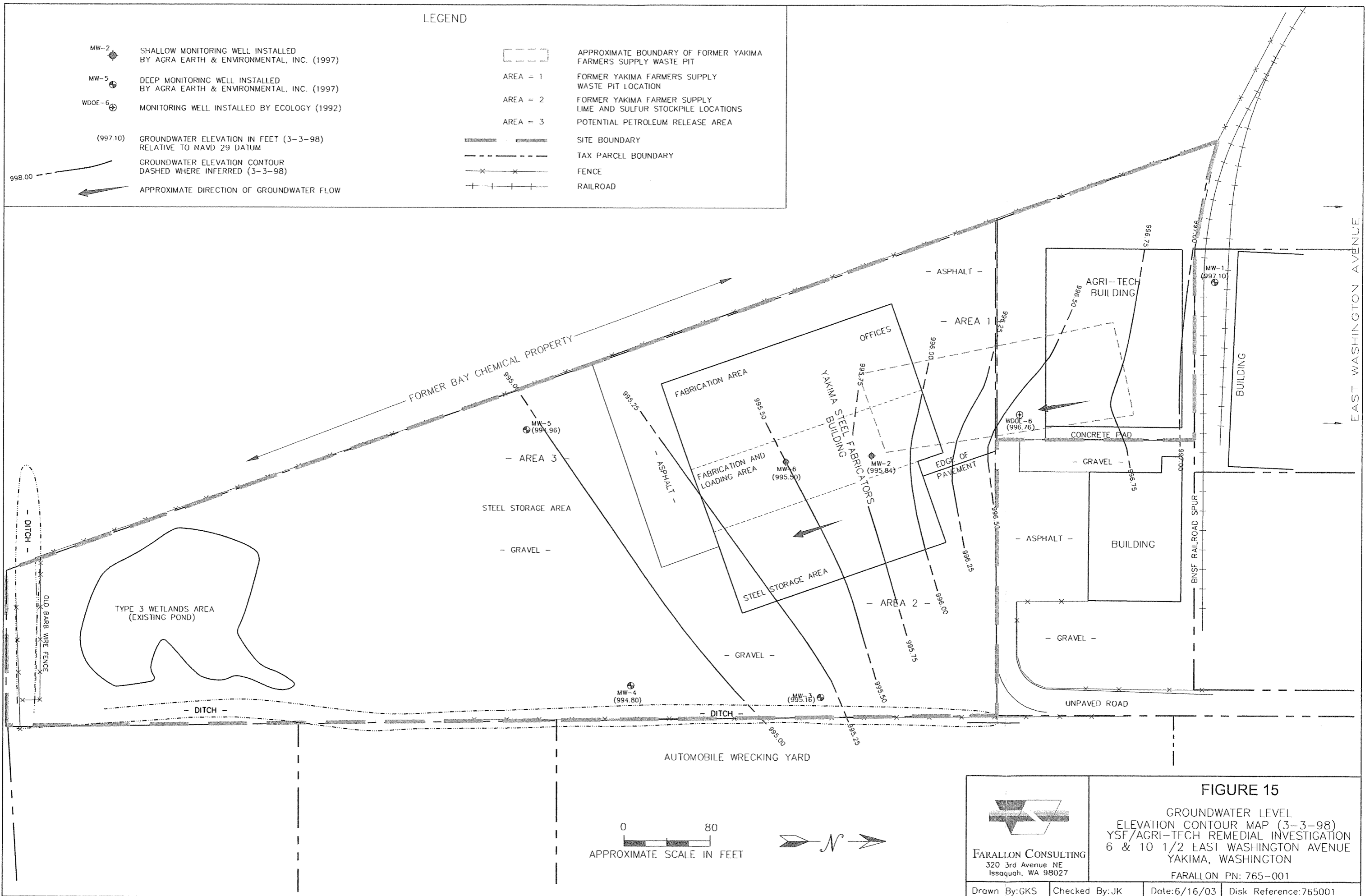


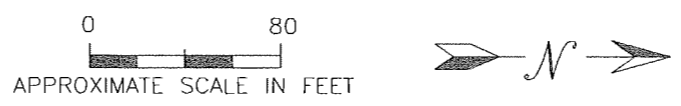
FIGURE 15

GROUNDWATER LEVEL ELEVATION CONTOUR MAP (3-3-98)
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON

FARALLON CONSULTING
 320 3rd Avenue NE
 Issaquah, WA 98027

FARALLON PN: 765-001

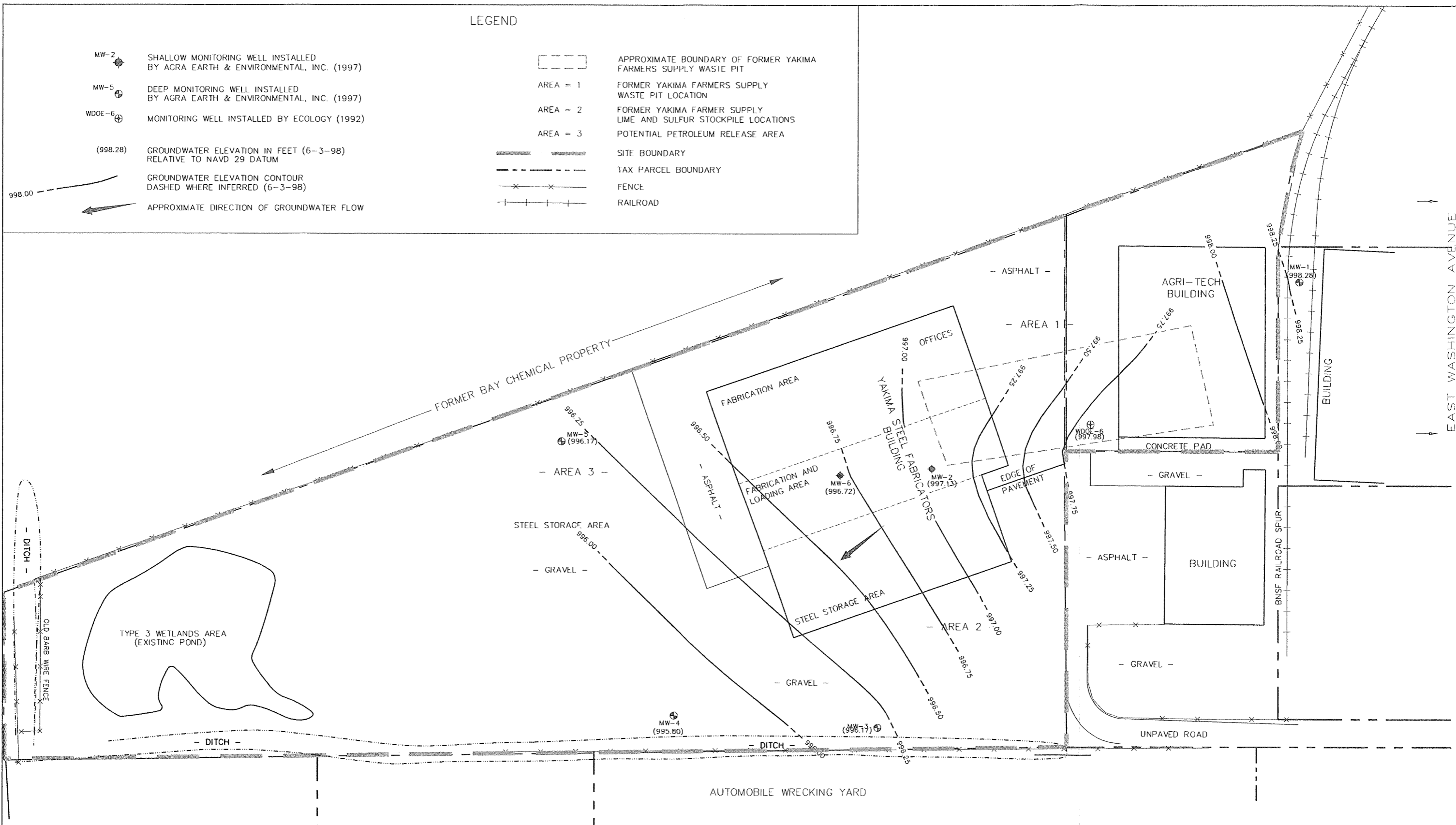
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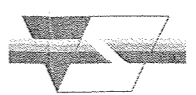


LEGEND

- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- (998.28) GROUNDWATER ELEVATION IN FEET (6-3-98) RELATIVE TO NAVD 29 DATUM
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (6-3-98)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD



 FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027	FIGURE 16 GROUNDWATER LEVEL ELEVATION CONTOUR MAP (6-3-98) YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON FARALLON PN: 765-001		
	Drawn By:GKS	Checked By:JK	Date:6/16/03

LEGEND

- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- (1000.36) GROUNDWATER ELEVATION IN FEET (9-2-98) RELATIVE TO NAVD 29 DATUM
- GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (9-2-98)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD

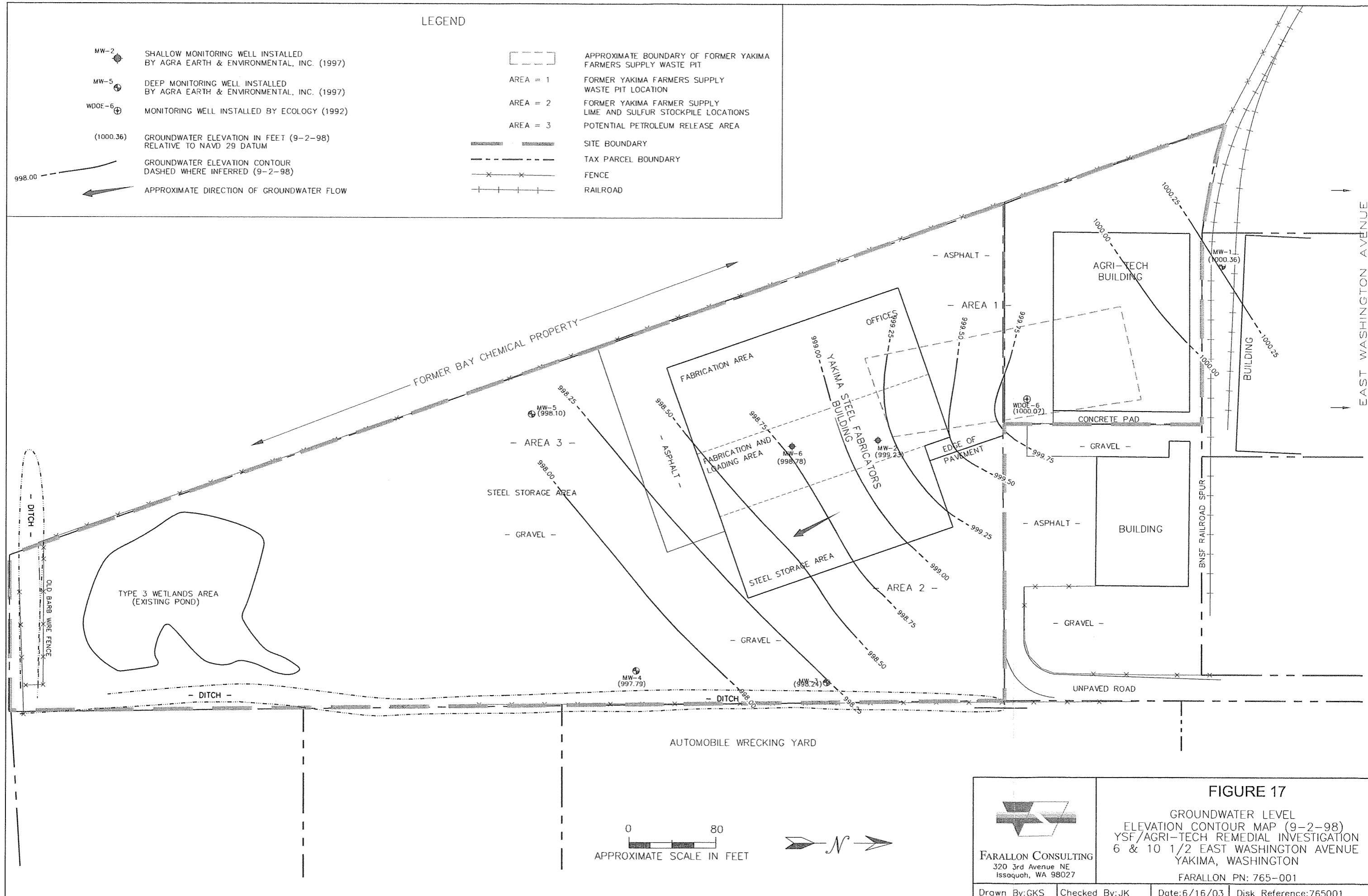


FIGURE 17

GROUNDWATER LEVEL
ELEVATION CONTOUR MAP (9-2-98)
YSF/AGRI-TECH REMEDIAL INVESTIGATION
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

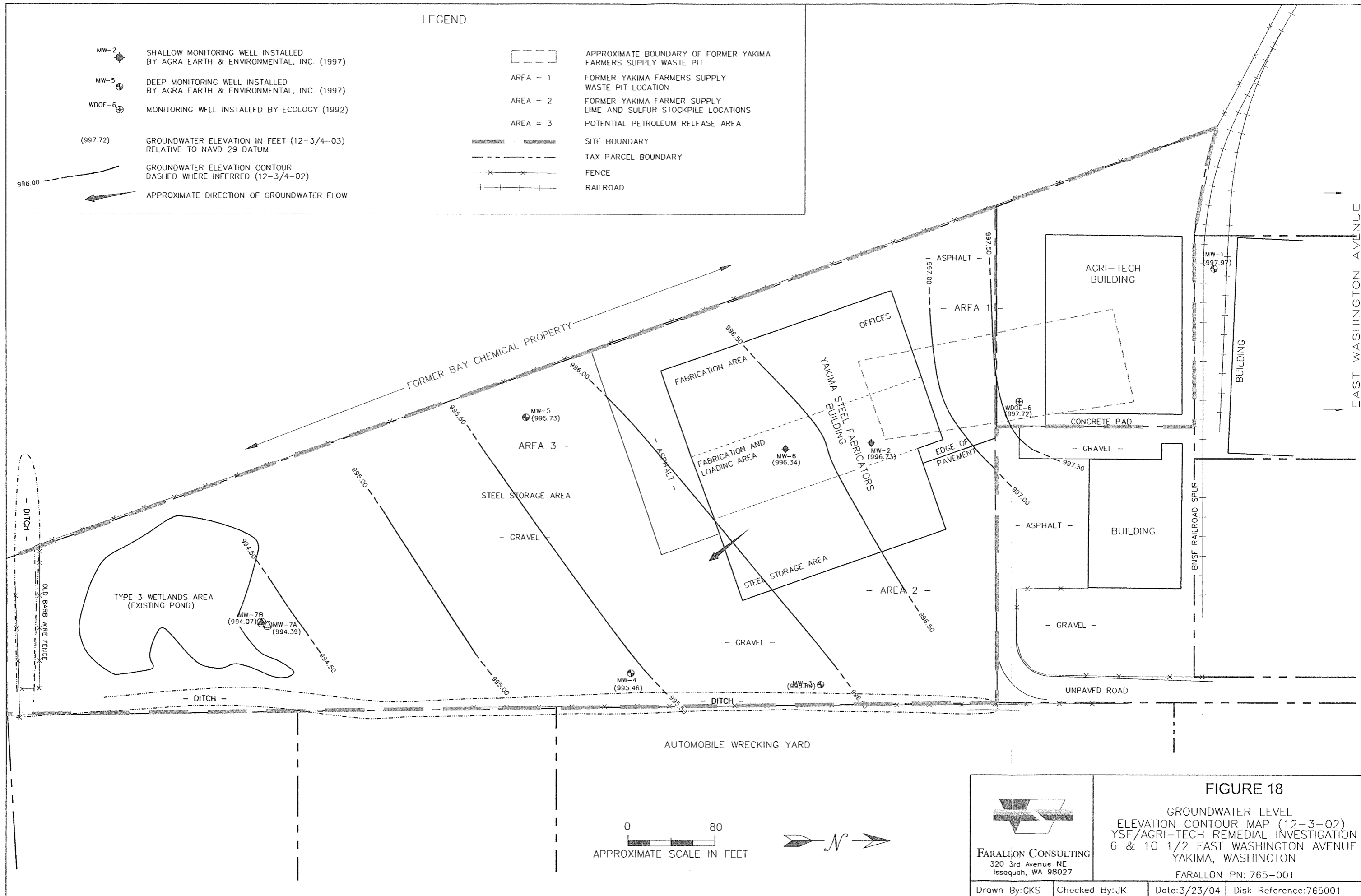
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320 3rd Avenue NE
Issaquah, WA 98027
FARALLON PN: 765-001

Drawn By:GKS Checked By:JK Date:6/16/03 Disk Reference:765001

LEGEND

- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- (997.72) GROUNDWATER ELEVATION IN FEET (12-3/4-03) RELATIVE TO NAVD 29 DATUM
- 998.00 GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED (12-3/4-02)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD



<p>FARALLON CONSULTING 320 3rd Avenue NE Issaquah, WA 98027</p>	<p>FIGURE 18</p> <p>GROUNDWATER LEVEL ELEVATION CONTOUR MAP (12-3-02) YSF/AGRI-TECH REMEDIAL INVESTIGATION 6 & 10 1/2 EAST WASHINGTON AVENUE YAKIMA, WASHINGTON</p> <p>FARALLON PN: 765-001</p>	
	<p>Drawn By:GKS</p>	<p>Checked By:JK</p>

EAST WASHINGTON AVENUE

- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002) *5-15' SUR*
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON *25-30' SURFACE*
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)

PCE = TETRACHLOROETHYLENE
 TCE = TRICHLOROETHYLENE
 CIS-1,2-DCE = CIS 1,2-DICHLOROETHENE
 VC = VINYL CHLORIDE
 -- = NOT ANALYZED

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-02	5	3.98	70	0.0292

BORING LOCATION IN BOLD INDICATES THAT ONE OR MORE ANALYTE THAT EXCEEDS PRELIMINARY SCREENING LEVEL. ANALYTE HIGHLIGHTED IN BLUE EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.

LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1
- AREA = 2
- AREA = 3
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	<1.0	1.51	12.4	2.42
3-3-98	1.59	1.46	3.21	<1.0
6-3-98	<1.0	<1.0	7.13	<1.0
9-2-98	1.27	3.06	17.6	<1.0
12-4-02	<2	<2	15	<2.0

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	3.64	<1.0	<1.0	<1.0
3-3-98	3.39	<1.0	<1.0	<1.0
6-3-98	6.5	1.18	<1.0	<1.0
9-2-98	4.22	0.71	0.25	<1.0
12-3-02	6	<2	<2	<2

DATE	PCE	TCE	CIS-1,2-DCE	VC
5-92	420	430	270	<10
12-3-97	-	-	-	-
3-3-98	49.6	108	83.7	4.24
6-3-98	75.6	60.4	45.6	<1.0
9-2-98	20.8	18.7	11.4	<1.0
12-3-02	<2	<2	14	<2

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	3.98	1.1	1	<1.0
3-3-98	2.25	1.02	4.5	<1.0
6-3-98	2.72	<1.0	2.52	<1.0
9-2-98	2.65	0.89	2.87	<1.0
12-4-02	5	<2	<2	<2

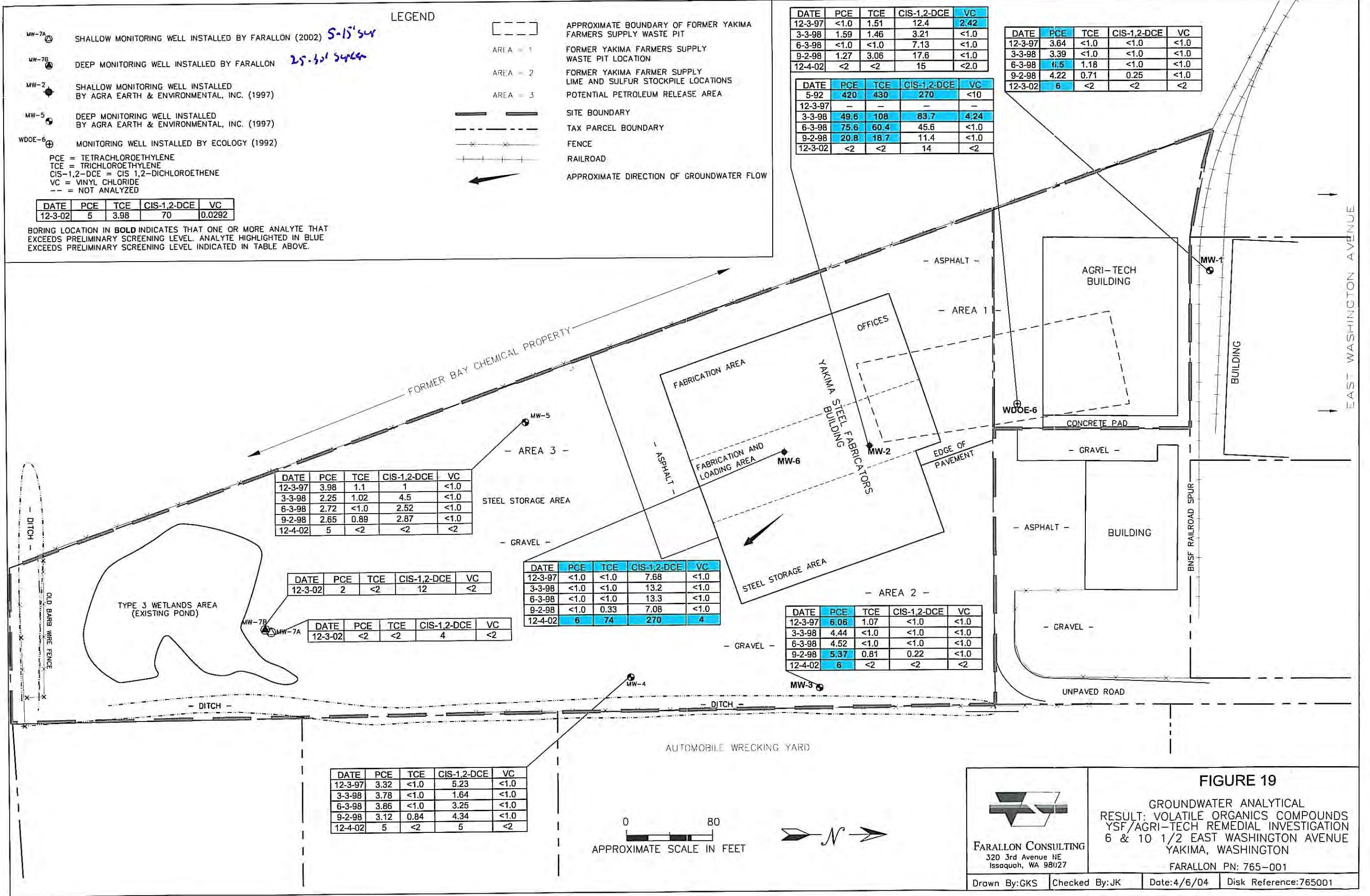
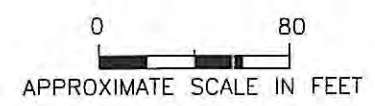
DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-02	2	<2	12	<2

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-02	<2	<2	4	<2

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	<1.0	<1.0	7.68	<1.0
3-3-98	<1.0	<1.0	13.2	<1.0
6-3-98	<1.0	<1.0	13.3	<1.0
9-2-98	<1.0	0.33	7.08	<1.0
12-4-02	6	74	270	4

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	6.06	1.07	<1.0	<1.0
3-3-98	4.44	<1.0	<1.0	<1.0
6-3-98	4.52	<1.0	<1.0	<1.0
9-2-98	5.37	0.81	0.22	<1.0
12-4-02	6	<2	<2	<2

DATE	PCE	TCE	CIS-1,2-DCE	VC
12-3-97	3.32	<1.0	5.23	<1.0
3-3-98	3.78	<1.0	1.64	<1.0
6-3-98	3.86	<1.0	3.25	<1.0
9-2-98	3.12	0.84	4.34	<1.0
12-4-02	5	<2	5	<2



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FIGURE 19
 GROUNDWATER ANALYTICAL
 RESULT: VOLATILE ORGANICS COMPOUNDS
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON
 FARALLON PN: 765-001

**Figure 20 - Groundwater Analytical Results: Monitoring Well WDOE-6
 YSF/Agri-Tech
 Yakima, Washington
 Farallon PN: 765-001**

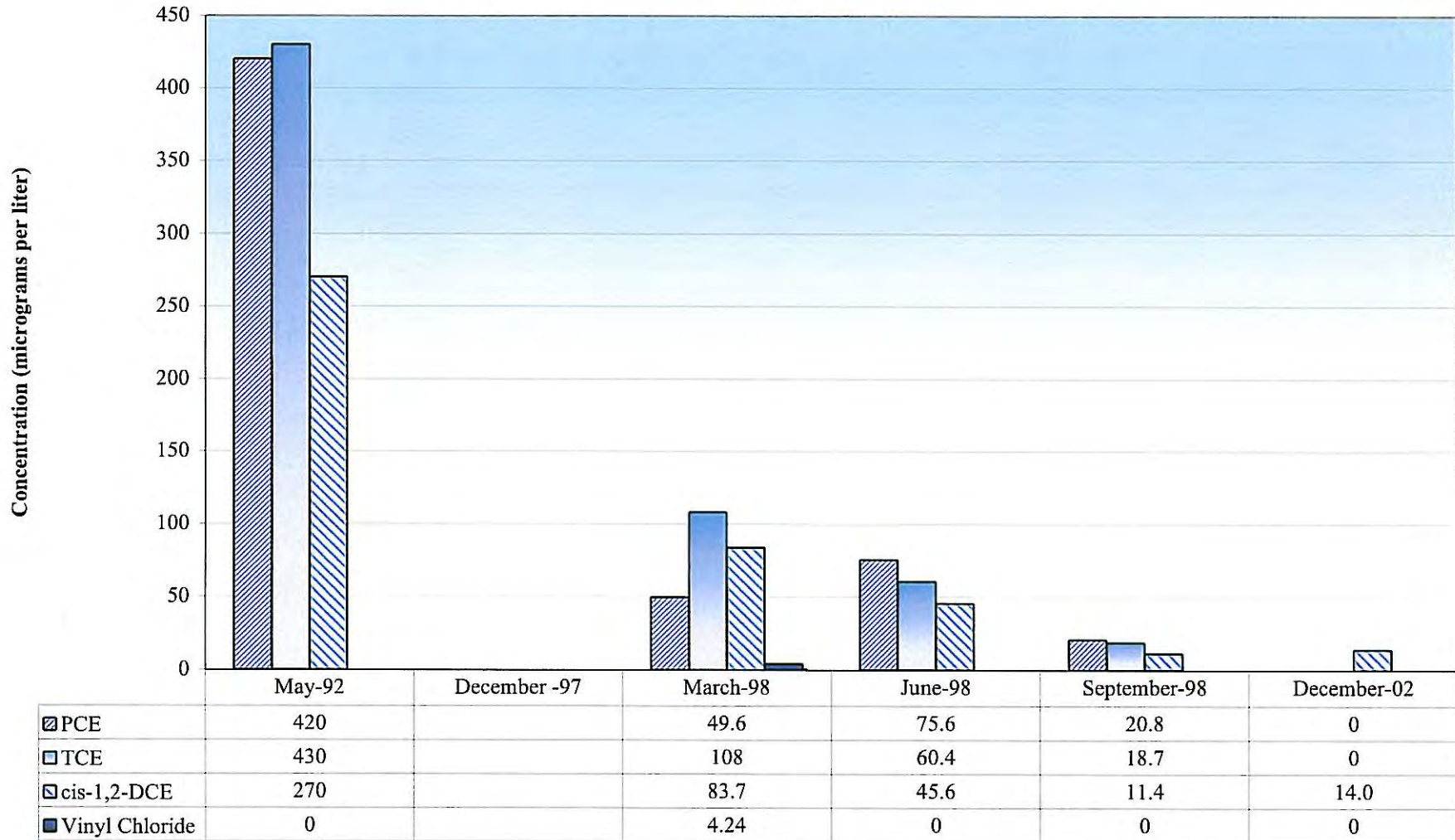
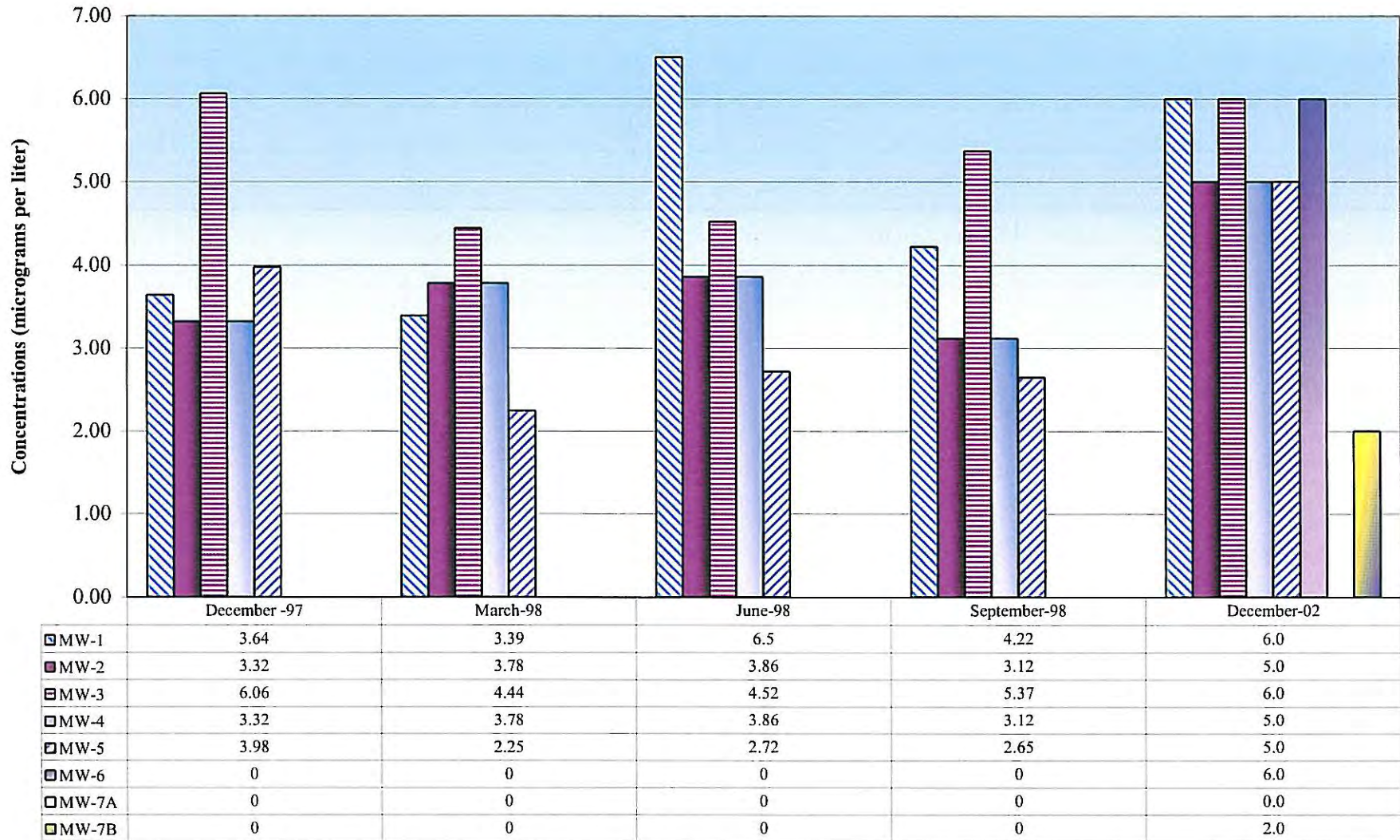


Figure 21 - Groundwater Analytical Results: PCE Concentrations
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001



LEGEND

- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)
- 4,4'-DDD = HEPTACHLOR
- 4,4'-DDE = ALPHA-BHC
- = NOT ANALYZED

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

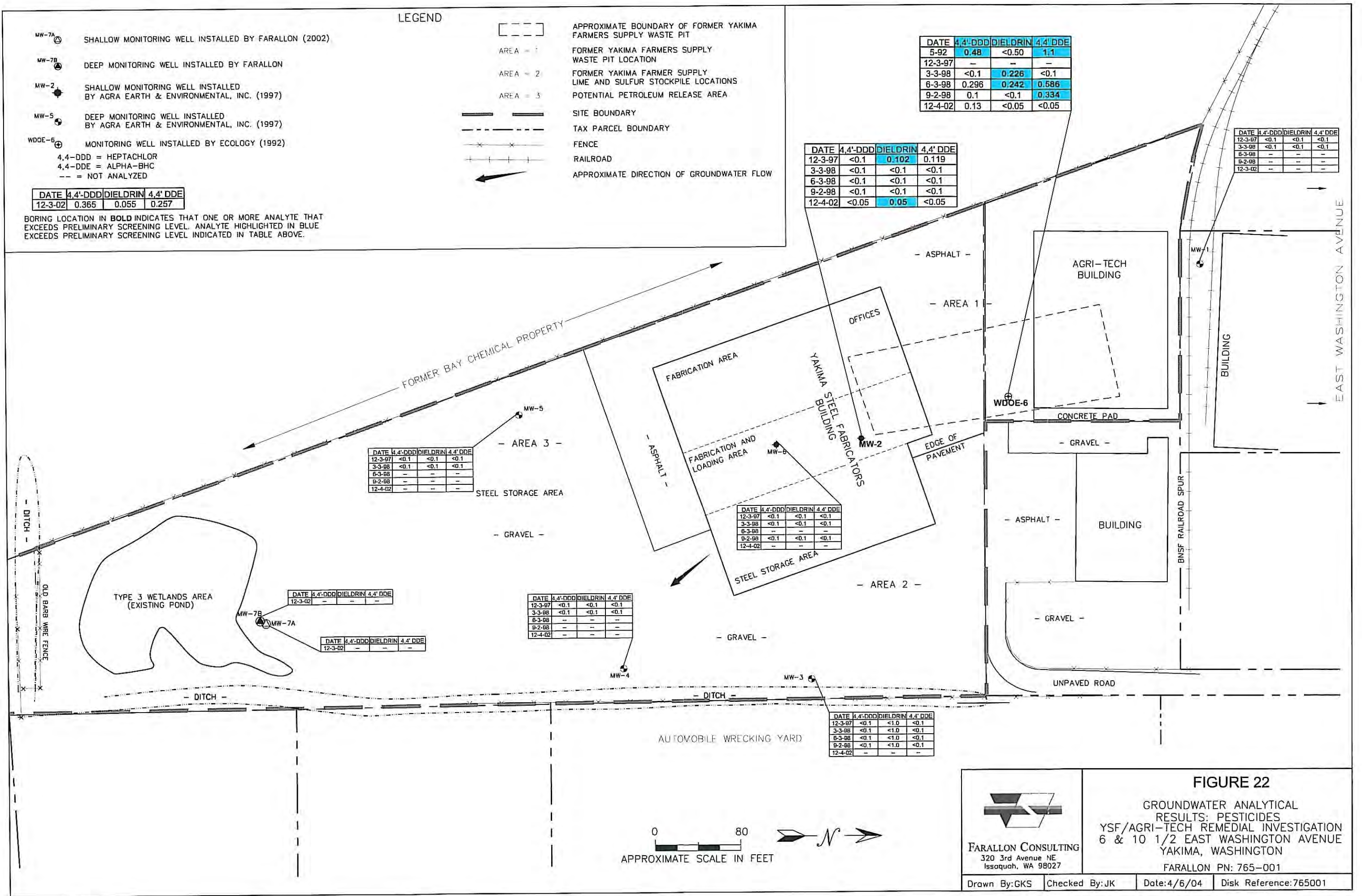
DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-02	0.365	0.055	0.257

BORING LOCATION IN BOLD INDICATES THAT ONE OR MORE ANALYTE THAT EXCEEDS PRELIMINARY SCREENING LEVEL. ANALYTE HIGHLIGHTED IN BLUE EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
5-92	0.48	<0.50	1.1
12-3-97	-	-	-
3-3-98	<0.1	0.226	<0.1
6-3-98	0.296	0.242	0.586
9-2-98	0.1	<0.1	0.334
12-4-02	0.13	<0.05	<0.05

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-97	<0.1	0.102	0.119
3-3-98	<0.1	<0.1	<0.1
6-3-98	<0.1	<0.1	<0.1
9-2-98	<0.1	<0.1	<0.1
12-4-02	<0.05	0.05	<0.05

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-07	<0.1	<0.1	<0.1
3-3-08	<0.1	<0.1	<0.1
6-3-08	-	-	-
9-2-08	-	-	-
12-3-02	-	-	-



DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-97	<0.1	<0.1	<0.1
3-3-98	<0.1	<0.1	<0.1
6-3-98	-	-	-
9-2-98	-	-	-
12-4-02	-	-	-

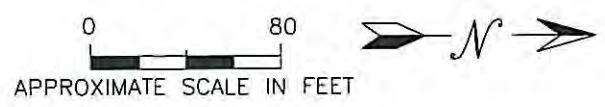
DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-97	<0.1	<0.1	<0.1
3-3-98	<0.1	<0.1	<0.1
6-3-98	-	-	-
9-2-98	<0.1	<0.1	<0.1
12-4-02	-	-	-


DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-02	-	-	-

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-02	-	-	-

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-97	<0.1	<0.1	<0.1
3-3-98	<0.1	<0.1	<0.1
6-3-98	-	-	-
9-2-98	-	-	-
12-4-02	-	-	-

DATE	4,4'-DDD	DIELDRIN	4,4' DDE
12-3-97	<0.1	<1.0	<0.1
3-3-98	<0.1	<1.0	<0.1
6-3-98	<0.1	<1.0	<0.1
9-2-98	<0.1	<1.0	<0.1
12-4-02	-	-	-





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FIGURE 22

GROUNDWATER ANALYTICAL RESULTS: PESTICIDES
YSF/AGRI-TECH REMEDIAL INVESTIGATION
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001

Drawn By:GKS
Checked By:JK
Date:4/6/04
Disk Reference:765001

- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)

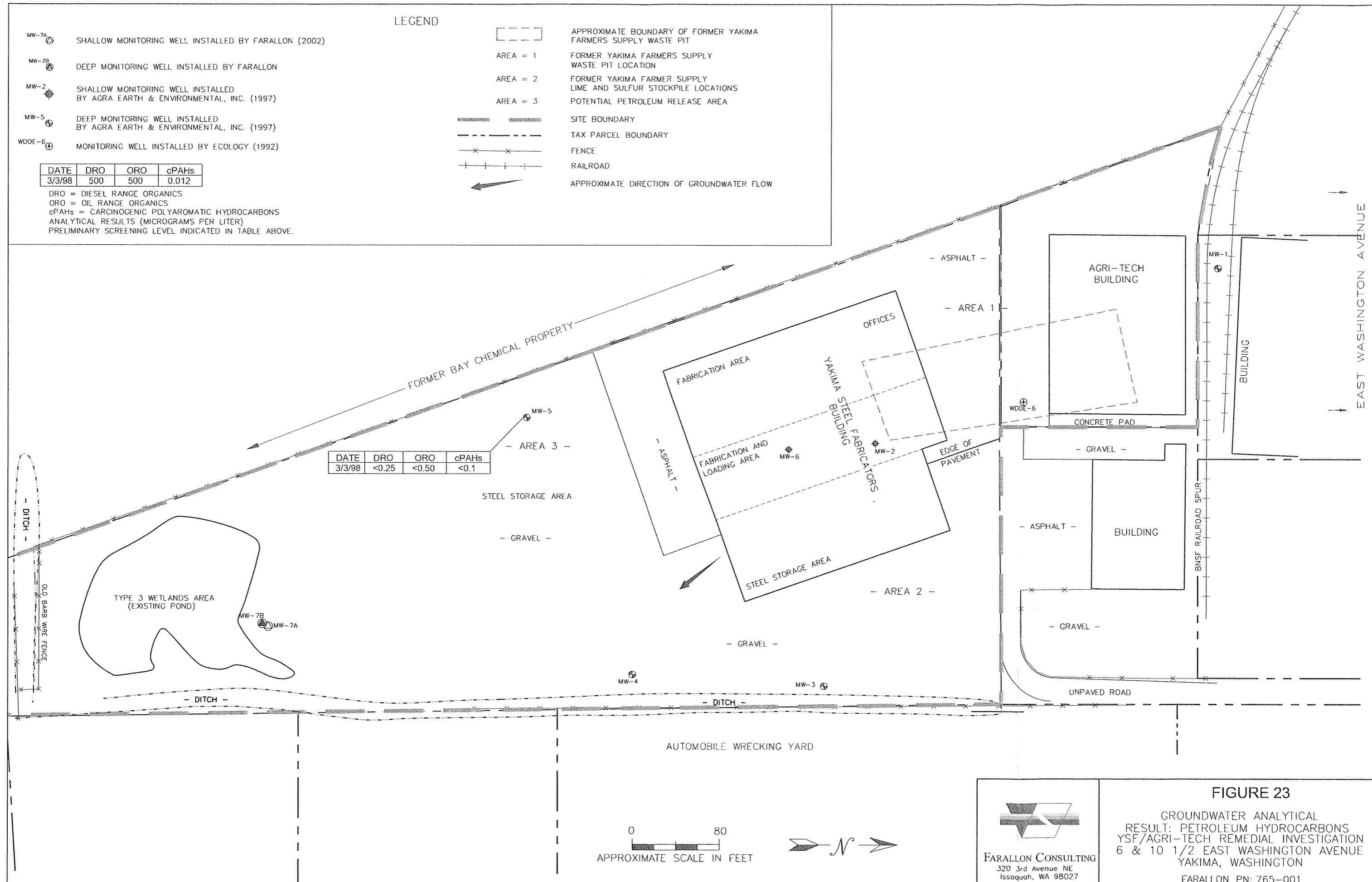
DATE	DRO	ORO	cPAHs
3/3/98	500	500	0.012

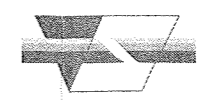
DRO = DIESEL RANGE ORGANICS
 ORO = OIL RANGE ORGANICS
 cPAHs = CARCINOGENIC POLYAROMATIC HYDROCARBONS
 ANALYTICAL RESULTS (MICROGRAMS PER LITER)
 PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.

LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

DATE	DRO	ORO	cPAHs
3/3/98	<0.25	<0.50	<0.1





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FIGURE 23

GROUNDWATER ANALYTICAL
 RESULT: PETROLEUM HYDROCARBONS
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON

FARALLON PN: 765-001

Drawn By:GKS	Checked By:JK	Date:3/23/04	Disk Reference:765001
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DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	144	--	81.3	--	--	--	--	--	--	--
3/3/98	96.3	--	25.4	--	--	--	--	--	--	--
6/3/98	96	--	20.6	--	--	--	--	--	--	--
9/2/98	102	--	61.1	--	--	--	--	--	--	--
12/3/02	74	12	25	<0.050	2.9	0.2	1.1	0.088	<0.01	<0.01

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	166	--	134	--	--	--	--	--	--	--
3/3/98	116	--	35.1	--	--	--	--	--	--	--
6/3/98	104	--	59.5	--	--	--	--	--	--	--
9/2/98	84	--	758	--	--	--	--	--	--	--
12/4/02	79	12	46	<0.050	<0.010	0.57	1.8	0.19	0.02	<0.01

LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 POTENTIAL PETROLEUM RELEASE AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD

- MW-7A SHALLOW MONITORING WELL INSTALLED BY FARALLON (2002)
- MW-7B DEEP MONITORING WELL INSTALLED BY FARALLON
- MW-2 SHALLOW MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- MW-5 DEEP MONITORING WELL INSTALLED BY AGRA EARTH & ENVIRONMENTAL, INC. (1997)
- WDOE-6 MONITORING WELL INSTALLED BY ECOLOGY (1992)

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	188	--	52	--	--	--	--	--	--	--

Alk = ALKALINITY P = TOTAL PHOSPHATE
 Cl⁻ = CHLORIDE TOC = TOTAL ORGANIC CARBON
 SO₄ = SULFATE Fe³⁺ = FERROUS IRON
 SO₂ = SULFIDE CH₄ = METHANE
 NO₃ = NITRATE Eth = ETHENE
 -- = NOT ANALYZED

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	155	--	86.1	--	--	--	--	--	--	--
3/3/98	114	--	50.3	--	--	--	--	--	--	--
6/3/98	103	--	61.9	--	--	--	--	--	--	--
9/2/98	104	--	91.7	--	--	--	--	--	--	--
12/4/02	74	12	42	<0.050	2	0.11	0.75	0.044	<0.01	<0.01

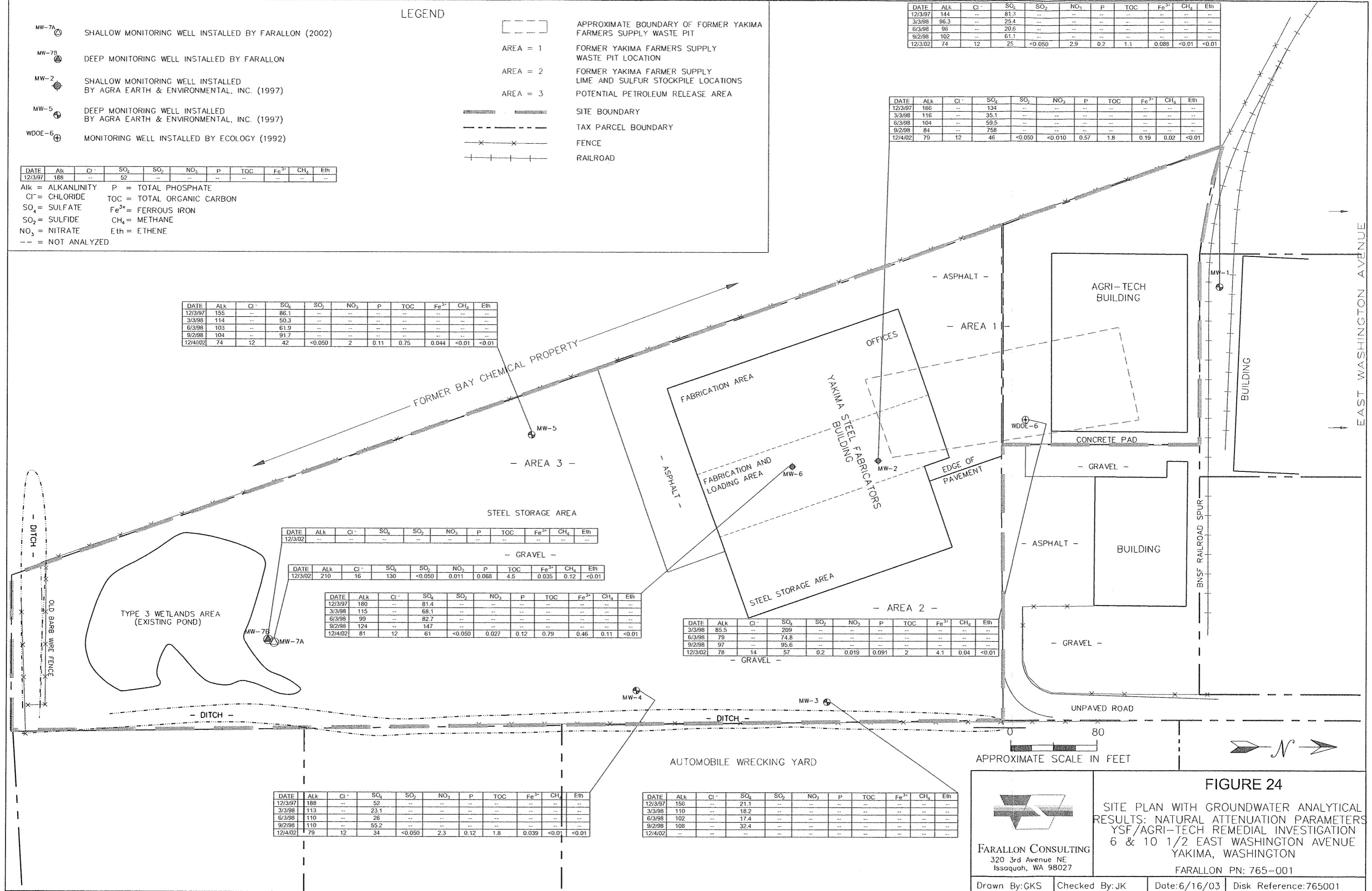
DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/02	210	16	130	<0.050	0.011	0.068	4.5	0.035	0.12	<0.01


DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	180	--	81.4	--	--	--	--	--	--	--
3/3/98	115	--	68.1	--	--	--	--	--	--	--
6/3/98	99	--	82.7	--	--	--	--	--	--	--
9/2/98	124	--	147	--	--	--	--	--	--	--
12/4/02	81	12	61	<0.050	0.027	0.12	0.79	0.46	0.11	<0.01

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
3/3/98	85.5	--	209	--	--	--	--	--	--	--
6/3/98	79	--	74.8	--	--	--	--	--	--	--
9/2/98	97	--	95.6	--	--	--	--	--	--	--
12/3/02	78	14	57	0.2	0.019	0.091	2	4.1	0.04	<0.01

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	188	--	52	--	--	--	--	--	--	--
3/3/98	113	--	23.1	--	--	--	--	--	--	--
6/3/98	110	--	26	--	--	--	--	--	--	--
9/2/98	110	--	55.2	--	--	--	--	--	--	--
12/4/02	79	12	34	<0.050	2.3	0.12	1.8	0.039	<0.01	<0.01

DATE	Alk	Cl ⁻	SO ₄	SO ₂	NO ₃	P	TOC	Fe ³⁺	CH ₄	Eth
12/3/97	156	--	21.1	--	--	--	--	--	--	--
3/3/98	110	--	18.2	--	--	--	--	--	--	--
6/3/98	102	--	17.4	--	--	--	--	--	--	--
9/2/98	108	--	32.4	--	--	--	--	--	--	--
12/4/02	--	--	--	--	--	--	--	--	--	--





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FIGURE 24

SITE PLAN WITH GROUNDWATER ANALYTICAL RESULTS: NATURAL ATTENUATION PARAMETERS
 YSF/AGRI-TECH REMEDIAL INVESTIGATION
 6 & 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON

FARALLON PN: 765-001

Drawn By:GKS
Checked By:JK
Date:6/16/03
Disk Reference:765001

Table 1
Summary of Soil Analytical Results - Volatile Organic Compounds
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Soil Analytical Results (milligrams per kilogram)															
			Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	4-Isopropyltoluene	n-Propylbenzene	Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Carbon Disulfide	1,2-Dichloropropane	MEK	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	(cis) 1,2-Dichloroethene
Washington State Department of Ecology (1992), Monitoring Well Boring WDOE-6																		
468110 (WDOE-6)	Nov-92	10	0.0035	0.0072	<0.0014	NA	NA	0.022	NA	NA	0.0019	0.002	<0.0027	2.2	0.67	<0.0014	0.17	
PLSA Engineering (1993), Test Pits TP-1 through TP-4																		
YSF-1 (TP-1)	May-93	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	NA	NA	NA	
YSF-2 (TP-1)	May-93	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA	
YSF-3 (TP-1)	May-93	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	NA	NA	NA	
YSF-4 (TP-2)	May-93	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13	NA	NA	NA	
YSF-5 (TP-3)	May-93	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	NA	NA	NA	
YSF-6 (TP-4)	May-93	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA	
Ecology Duplicates of PLSA Test Pit Soil Samples (1993)																		
YSF-1 (TP-1)	May-93	4	<0.13	<0.13	<0.13	0.002	NA	NA	<0.13	NA	NA	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	
YSF-2 (TP-1)	May-93	5	<0.011	<0.011	<0.011	<0.011	NA	NA	0.018	NA	NA	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
YSF-3 (TP-1)	May-93	8	<0.13	<0.13	<0.13	0.002	NA	NA	0.11	NA	NA	0.008	<0.13	0.022	<0.13	<0.13	<0.13	
YSF-4 (TP-2)	May-93	4.5	0.001	0.005	<0.13	NA	NA	0.17	NA	NA	0.011	0.007	<0.13	0.003	0.003	<0.13	0.022	
YSF-5 (TP-3)	May-93	6	<0.13	<0.13	<0.13	<0.13	NA	NA	0.019	NA	NA	0.008	<0.13	<0.13	<0.13	<0.13	<0.13	
YSF-6 (TP-4)	May-93	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RI Preliminary Screening Level²			6.048	9.144	9.144	7.271	NA	NA	3.21	NA	NA	5.65	0.0031	22	0.0530	0.026	0.0005	0.35
CSM Selected Cleanup Levels for COCs³			---	---	---	---	---	---	---	---	---	0.025	---	0.050	0.025	0.046	0.078	
MTCA Cleanup Levels for Other Soil Analytes⁴			6.0⁵	9.0⁵	7.0⁵	NE	8,000	72,000	NE	800	8,000	---	48,000	---	---	---	---	

Table 1
Summary of Soil Analytical Results - Volatile Organic Compounds
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Soil Analytical Results (milligrams per kilogram)															
			Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	4-Isopropyltoluene	n-Propylbenzene	Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Carbon Disulfide	1,2-Dichloropropane	MEK	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	(cis) 1,2-Dichloroethene
AGRA Earth & Environmental Inc. (1997)																		
Area 1: Former Yakima Farmer Supply Waste Pit Area																		
SP1-4	10/21/1997	0.5-4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.0	<1.0	<1.0	<0.1	<0.1	<1.0	2.1	0.840	<0.1	<0.1
SP2-4	10/21/1997	0.5-4.0	0.078	0.056	0.030	<0.1	<0.1	<0.1	<2.0	<1.0	<1.0	<0.1	<0.1	<1.0	45.0	0.790	<0.1	0.610
SP2A-6.5	10/21/1997	4.0-6.5	0.030	0.024	<0.1	<0.1	<0.1	<0.1	<2.0	<1.0	<1.0	<0.1	<0.1	<1.0	0.530	<1.0	<0.1	0.041
SP3-4	10/21/1997	0.5-4.0	<0.002	0.00274	<0.002	0.0021	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.0382	<0.002	<0.002	<0.002
SP4-7	10/21/1997	4.0-7.0	0.078	0.310	0.110	0.038	<0.1	0.088	<2.0	0.30	0.11	<0.1	<0.1	<1.0	770	1.20	0.029	1.80
SP5-6.5	10/21/1997	4.0-6.5	4.0	0.490	0.036	<0.1	0.031	<0.1	<2.0	0.052	0.052	<0.1	<0.1	<1.0	35.0	4.60	<0.1	4.50
SP6-5.5	10/21/1997	4.0-5.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP7-7	10/21/1997	4.0-7.0	<0.002	0.00537	0.00259	<0.002	<0.002	<0.002	0.056	0.00278	<0.002	0.010	0.00332	<0.020	0.0224	0.00205	<0.002	0.0116
SP8-7	10/21/1997	4.0-7.0	<0.1	<0.1	<0.1	0.036	<0.1	<0.1	<2.0	<1.0	<1.0	<0.1	<0.1	<1.0	0.0290	<1.0	<0.1	0.330
SP9-7.5	10/21/1997	4.0-7.5	<0.002	0.00359	<0.002	0.00338	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.00932	0.00318	<0.002	<0.002
SP10-4	10/21/1997	0.5-4	<0.1	0.032	<0.1	0.084	<0.1	<0.1	<0.04	<1.0	<1.0	<2.0	<0.1	<1.0	2.1	0.097	<0.1	0.028
SP11-6	10/22/1997	4.0-6.0	0.0020	0.00752	0.00362	0.0062	<0.002	<0.002	0.0526	0.00371	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP12-8	10/22/1997	4.0-8.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.0023	<0.002	<0.002	<0.002
SP13/14-6	10/22/1997	4.0-6.0	<0.002	0.00612	0.00312	0.00341	<0.002	<0.002	<0.04	0.00239	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP15-6	10/22/1997	4.0-6.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0426	<0.002	<0.002	<0.002	<0.002	<0.020	0.00793	0.00747	<0.002	0.00374
SP16-8	10/22/1997	4.0-8.0	<0.002	0.00338	<0.002	<0.002	<0.002	<0.002	<0.04	0.00211	<0.002	<0.002	<0.002	<0.020	0.00312	<0.002	<0.002	<0.002
SP17-4	10/22/1997	0.5-4.0	<0.002	0.00540	0.00253	0.00587	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.0322	0.00597	<0.002	0.00355
RI Preliminary Screening Level²			6.048	9.144	9.144	7.271	NA	NA	3.21	NA	NA	5.65	0.0031	22	0.0530	0.026	0.0005	0.35
CSM Selected Cleanup Levels for COCs³			---	---	---	---	---	---	---	---	---	---	0.025	---	0.050	0.025	0.046	0.078
MTCA Cleanup Levels for Other Soil Analytes⁴			6.0⁵	9.0⁵	7.0⁵	NE	8,000	72,000	NE	800	8,000	---	48,000	---	---	---	---	---

Table 1
Summary of Soil Analytical Results - Volatile Organic Compounds
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Soil Analytical Results (milligrams per kilogram)															
			Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	4-Isopropyltoluene	n-Propylbenzene	Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Carbon Disulfide	1,2-Dichloropropane	MEK	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	(cis) 1,2-Dichloroethene
SP18-4	10/22/1997	0.5-4.0	<0.002	0.00333	<0.002	0.00291	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.00203	<0.002	<0.002	<0.002
SP19-7	10/22/1997	4.0-7.0	<0.002	0.00384	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP20-8	10/22/1997	4.0-8.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP21-5	10/22/1997	1.0-5.0	0.00240	0.00520	0.00461	0.00618	<0.002	<0.002	<0.04	0.00216	<0.002	<0.002	<0.002	<0.020	0.00402	<0.002	<0.002	<0.002
SP22-7	10/22/1997	4.0-7.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
MW1-5	10/23/1997	5.0-6.5	<0.002	0.00245	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
MW1-10	10/23/1997	10.0-11.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
MW6-6	10/24/1997	6.0-8.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
B1-10	10/28/1997	10.0-11.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	0.00385	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
B1-30	10/28/1997	30.0-31.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
B2-10	10/28/1997	10.0-11.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.0216	<0.002	<0.002	<0.002
B2-25	10/28/1997	25.0-26.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
Area 2: Former Yakima Farmer Supply Lime and Sulfur Stockpile Locations																		
SP23-8	10/22/1997	4.0-8.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP24-7.5	10/22/1997	4.0-7.5	0.00733	0.0254	0.0118	0.0256	<0.002	0.00316	0.150	0.00945	0.00514	0.00525	<0.002	<0.020	0.00908	<0.002	<0.002	<0.002
SP25-4	10/22/1997	0.5-4.0	0.00379	0.0133	0.00536	0.0132	<0.002	<0.002	0.124	0.0043	0.00214	<0.002	<0.002	0.0233	0.00405	<0.002	<0.002	<0.002
RI Preliminary Screening Level²			6.048	9.144	9.144	7.271	NA	NA	3.21	NA	NA	5.65	0.0031	22	0.0530	0.026	0.0005	0.35
CSM Selected Cleanup Levels for COCs³			---	---	---	---	---	---	---	---	---	---	0.025	---	0.050	0.025	0.046	0.078
MTCA Cleanup Levels for Other Soil Analytes⁴			6.0⁵	9.0⁵	7.0⁵	NE	8,000	72,000	NE	800	8,000	---	48,000	---	---	---	---	---

Table 1
Summary of Soil Analytical Results - Volatile Organic Compounds
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Soil Analytical Results (milligrams per kilogram)															
			Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	4-Isopropyltoluene	n-Propylbenzene	Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Carbon Disulfide	1,2-Dichloropropane	MEK	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene	(cis) 1,2-Dichloroethene
Area 3: Potential Petroleum Release Area																		
SP26-6.5	10/22/1997	4.0-6.5	<0.002	0.00303	<0.002	0.00287	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.002
SP27-7.5	10/22/1997	4.0-7.5	<0.002	0.00471	0.00238	0.00351	<0.002	<0.002	0.0597	0.00347	<0.002	<0.002	<0.002	<0.020	0.00401	<0.002	<0.002	<0.002
SP28-7.5	10/22/1997	4.0-7.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04	<0.002	<0.002	<0.002	<0.002	<0.020	0.00275	<0.002	<0.002	<0.002
Farallon Consulting, L.L.C. (2002), Monitoring Well Borings MW-7A and MW-7B																		
Drum 1 (MW-7A)	11/21/2002	0 -15	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Drum 3 (MW-7B)	11/22/2002	15-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Drum 4 (MW-7B)	11/22/2002	25-32	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
RI Preliminary Screening Level²			6.048	9.144	9.144	7.271	NA	NA	3.21	NA	NA	5.65	0.0031	22	0.0530	0.026	0.0005	0.35
CSM Selected Cleanup Levels for COCs³			---	---	---	---	---	---	---	---	---	---	0.025	---	0.050	0.025	0.046	0.078
MTCA Cleanup Levels for Other Soil Analytes⁴			6.0⁵	9.0⁵	7.0⁵	NE	8,000	72,000	NE	800	8,000	---	48,000	---	---	---	---	---

NOTE:

All volatile organic compounds analyzed by EPA Method 8240 (PLSA), SW-846 (Ecology), or EPA Method 8260B (AGRA & Farallon).

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes concentration of compound is not above the laboratory practical quantitation limit indicated.

¹Depth below ground surface in feet.

²Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

³Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁴Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clar/CLARCDatatables.aspx>, unless otherwise noted. Downloaded October 2018.

⁵Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

COC = constituent of concern
CSM = Conceptual Site Model
MEK = methyl ethyl ketone
NA = not applicable/not analyzed
NE = not established
PCE = tetrachloroethene
RI = Remedial Investigation
TCE = trichloroethene

Table 2
Summary of Soil Analytical Results - Pesticides and Polychlorinated Biphenyls
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Analytical Results (milligrams per kilogram)											
			Aldrin ²	alpha-Chlordane ²	4,4-DDD ²	4,4-DDE ²	4,4-DDT ²	Dieldrin ²	Endosulfan I ²	Endosulfan II ²	Endosulfan Sulfate ²	Endrin ²	Heptachlor Epoxide ²	PCBs ³
Washington State Department of Ecology (1992), Monitoring Well Boring WDOE-6														
468110 (WDOE-6)	Nov-92	5	<0.0016	<0.0016	0.0021	0.0044	<0.0032	0.0021	<0.0016	<0.0016	0.009	<0.0032	<0.0016	NA
PLSA Engineering (1993), Test Pits TP-1 through TP-4														
YSF-1 (TP-1)	May-93	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-2 (TP-1)	May-93	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-3 (TP-1)	May-93	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-4 (TP-2)	May-93	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-5 (TP-3)	May-93	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-6 (TP-4)	May-93	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ecology Duplicates of PLSA Test Pit Soil Samples (1993)														
YSF-1 (TP-1)	May-93	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-2 (TP-1)	May-93	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-3 (TP-1)	May-93	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-4 (TP-2)	May-93	4.5	<0.004	<0.004	0.27	3.70	0.14	0.13	<0.004	<0.004	<0.004	0.046	0.019	NA
YSF-5 (TP-3)	May-93	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YSF-6 (TP-4)	May-93	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AGRA Earth & Environmental Inc. (1997)														
Area 1: Former Yakima Farmer Supply Waste Pit Area														
SP1-4	10/21/1997	0.5-4.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP2-4	10/21/1997	0.5-4.0	<0.050	0.564	0.167	0.175	0.335	0.211	<0.050	0.443	0.147	0.178	<0.050	ND
SP2A-6.5	10/21/1997	4.0-6.5	<0.025	<0.025	<0.025	<0.025	<0.025	0.0509	<0.025	<0.025	<0.025	<0.025	<0.025	ND
RI Preliminary Screening Level⁴			0.00503	0.258	0.335	0.446	3.485	0.0028	4.301	4.301	4.301	0.0404	0.0161	10
CSM Selected Cleanup Levels for COCs⁵			0.0025	2.06	0.34	0.45	---	0.0028	---	---	---	0.4	0.08	---
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	---	3.0	---	480	480	480	---	---	1.0⁷

Table 2
Summary of Soil Analytical Results - Pesticides and Polychlorinated Biphenyls
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Analytical Results (milligrams per kilogram)											
			Aldrin ²	alpha-Chlordane ²	4,4-DDD ²	4,4-DDE ²	4,4-DDT ²	Dieldrin ²	Endosulfan I ²	Endosulfan II ²	Endosulfan Sulfate ²	Endrin ²	Heptachlor Epoxide ²	PCBs ³
SP3-4	10/21/1997	0.5-4.0	<0.025	<0.025	<0.025	0.0418	0.130	<0.025	<0.025	0.0499	<0.025	<0.025	<0.025	ND
SP4-7	10/21/1997	4.0-7.0	0.635	0.939	2.07	11.5	1.81	3.36	<0.100	<0.500	<0.100	1.13	0.590	ND
SP5-6.5	10/21/1997	4.0-6.5	<0.050	<0.050	0.124	0.30	<0.050	0.847	<0.050	0.146	<0.050	<0.050	<0.050	ND
SP6-5.5	10/21/1997	4.0-5.5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP7-7	10/21/1997	4.0-7.0	<0.050	<0.050	0.0685	0.193	0.104	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP8-7	10/21/1997	4.0-7.0	<0.025	<0.025	0.094	0.536	<0.025	0.060	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP9-7.5	10/21/1997	4.0-7.5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP10-4	10/21/1997	0.5-4	<0.050	<0.050	1.50	0.366	1.77	0.399	0.306	<0.500	0.165	0.101	<0.050	ND
SP11-6	10/22/1997	4.0-6.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP12-8	10/22/1997	4.0-8.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP13/14-6	10/22/1997	4.0-6.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP15-6	10/22/1997	4.0-6.0	<0.050	<0.050	<0.050	0.132	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP16-8	10/22/1997	4.0-8.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP17-4	10/22/1997	0.5-4.0	<0.050	<0.050	0.131	0.0711	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP18-4	10/22/1997	0.5-4.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP19-7	10/22/1997	4.0-7.0	<0.025	<0.025	<0.025	<0.025	0.0353	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP20-8	10/22/1997	4.0-8.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP21-5	10/22/1997	1.0-5.0	<0.050	<0.050	<0.050	0.0641	0.0892	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP22-7	10/22/1997	4.0-7.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
B1-10	10/28/1997	10.0-11.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
B1-30	10/28/1997	30.0-31.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
RI Preliminary Screening Level⁴			0.00503	0.258	0.335	0.446	3.485	0.0028	4.301	4.301	4.301	0.0404	0.0161	10
CSM Selected Cleanup Levels for COCs⁵			0.0025	2.06	0.34	0.45	---	0.0028	---	---	---	0.4	0.08	---
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	---	3.0	---	480	480	480	---	---	1.0⁷

Table 2
Summary of Soil Analytical Results - Pesticides and Polychlorinated Biphenyls
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Depth ¹ (feet)	Analytical Results (milligrams per kilogram)											
			Aldrin ²	alpha-Chlordane ²	4,4-DDD ²	4,4-DDE ²	4,4-DDT ²	Dieldrin ²	Endosulfan I ²	Endosulfan II ²	Endosulfan Sulfate ²	Endrin ²	Heptachlor Epoxide ²	PCBs ³
B2-10	10/28/1997	10.0-11.0	<0.005	<0.005	0.0388	0.0188	0.0152	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
B2-25	10/28/1997	25.0-26.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
Area 2: Former Yakima Farmer Supply Lime and Sulfur Stockpile Locations														
SP23-8	10/22/1997	4.0-8.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	ND
SP24-7.5	10/22/1997	4.0-7.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
SP25-4	10/22/1997	0.5-4.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
Area 3: Potential Petroleum Release Area														
SP26-6.5	10/22/1997	4.0-6.5	<0.050	<0.050	0.257	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
SP27-7.5	10/22/1997	4.0-7.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
SP28-7.5	10/22/1997	4.0-7.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND
Farallon Consulting, L.L.C. (2002), Monitoring Well Borings MW-7A and MW-7B														
Drum 1 (MW-7A)	11/21/2002	0 -15	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Drum 3 (MW-7B)	11/22/2002	15-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Drum 4 (MW-7B)	11/22/2002	25-32	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
RI Preliminary Screening Level⁴			0.00503	0.258	0.335	0.446	3.485	0.0028	4.301	4.301	4.301	0.0404	0.0161	10
CSM Selected Cleanup Levels for COCs⁵			0.0025	2.06	0.34	0.45	---	0.0028	---	---	---	0.4	0.08	---
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	---	3.0	---	480	480	480	---	---	1.0⁷

NOTE:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

ND denotes not detected above PQL for each PCB aroclor.

< denotes concentration of compound is not above the laboratory practical quantitation limit indicated.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹Depth below ground surface in feet.

²Pesticides analyzed by EPA Method 8081.

³Polychlorinated biphenyls analyzed by EPA Method 8080.

⁴Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

⁵Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁶ Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDATATables.aspx>, unless otherwise noted. Downloaded October 2018.

⁷ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

COC = constituent of concern

CSM = Conceptual Site Model

NA = Not Applicable

PCBs = polychlorinated biphenyls

RI = Remedial Investigation

Table 3
Summary of Groundwater Analytical Results - Volatile Organic Compounds
YSF/AGRI-Tech
Yakima, Washington
Farallon PN: 765-001

Monitoring Well / Sample No.	Date Sampled	Sampled By	Analytical Results (micrograms per liter)											
			PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	Vinyl Chloride	1,1,1-TCA	1,1-DCA	MEK	Acetone	1,2-dichloropropane	Chloroform	Chloromethane
MW-1	12/3/1997	AGRA	3.64	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	3.39	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	6.5	1.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.12	<1.0
	9/2/1998	AGRA	4.22	0.71	0.25	<1.0	<1.0	0.15	<1.0	<1.0	<20	<1.0	1.88	<1.0
	12/3/2002	Farallon	6.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0
MW-2	12/3/1997	AGRA	<1.0	1.51	12.4	<1.0	2.42	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	1.59	1.46	3.21	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	<1.0	<1.0	7.13	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	12.1
	9/2/1998	AGRA	1.27	3.06	17.6	0.36	<1.0	<1.0	0.19	<1.0	<20	<1.0	<1.0	<1.0
	12/4/2002	Farallon	<2.0	<2.0	15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-3	12/3/1997	AGRA	6.06	1.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	4.44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	4.52	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.3	9.24
	9/2/1998	AGRA	5.37	0.81	0.22	<1.0	<1.0	<1.0	<1.0	0.23	<20	<1.0	1.93	<1.0
	12/4/2002	Farallon	6.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0
MW-4	12/3/1997	AGRA	3.32	<1.0	5.23	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	3.78	<1.0	1.64	<1.0	<1.0	<1.0	<1.0	<1.0	24.1	<1.0	<1.0	<1.0
	6/3/1998	AGRA	3.86	<1.0	3.25	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	2.78
	9/2/1998	AGRA	3.12	0.84	4.34	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.15	<1.0
	12/4/2002	Farallon	5.0	<2.0	5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-5	12/3/1997	AGRA	3.98	1.1	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	2.25	1.02	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	2.72	<1.0	2.52	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	2.59
	9/2/1998	AGRA	2.65	0.89	2.87	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	0.85	<1.0
	12/4/2002	Farallon	5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-6	12/3/1997	AGRA	<1.0	<1.0	7.68	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	<1.0	<1.0	13.2	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	<1.0	<1.0	13.3	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	9/2/1998	AGRA	<1.0	0.33	7.08	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	12/4/2002	Farallon	6.0	74.0	270	<2.0	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
WDOE-6	May-92	Ecology	420	430	270	<1.0	<10	<1.0	<1.0	<1.0	<20	<1.0	<5.0	<1.0
	12/3/1997	AGRA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	49.6	108	83.7	2.34	4.24	<1.0	<1.0	<1.0	<20	1.73	<1.0	<1.0
	6/3/1998	AGRA	75.6	60.4	45.6	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	9/2/1998	AGRA	20.8	18.7	11.4	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	12/3/2002	Farallon	<2.0	<2.0	14.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
RI Preliminary Screening Level⁷			5.0	3.98	70	100	0.0292	7,200	800	4,800	800	0.643	7.17	3.37
CSM Selected Cleanup Levels for COCs⁸			5.0	5.0	16	---	0.2	---	---	---	---	1.22	---	---
MTCA Cleanup Levels for Other Analytes⁹			---	---	---	160	---	200¹⁰	7.68	4,800	7,200	---	1.41	NE

**Table 3
Summary of Groundwater Analytical Results - Volatile Organic Compounds
YSF/AGRI-Tech
Yakima, Washington
Farallon PN: 765-001**

Monitoring Well / Sample No.	Date Sampled	Sampled By	Analytical Results (micrograms per liter)											
			PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	Vinyl Chloride	1,1,1-TCA	1,1-DCA	MEK	Acetone	1,2-dichloropropane	Chloroform	Chloromethane
MW-7A	12/3/2002	Farallon	<2.0	<2.0	4.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20	<1.0	<2	<2
MW-7B	12/3/2002	Farallon	2.0	<2.0	12.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Quality Assurance and Quality Control Field Samples														
12397QC-D ²	12/3/1997	AGRA	<1.0	<1.0	7.87	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
6398QC-D ⁴	6/3/1998	AGRA	3.54	<1.0	3.29	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
9298QC-D ⁵	9/2/1998	AGRA	20.5	18.8	11.1	<1.0	<1.0	<1.0	0.22	<1.0	<20	<1.0	<1.0	<1.0
RB-120302 ⁶	12/3/2002	Farallon	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TRIP BLANK	12/3/1997	AGRA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	3/3/1998	AGRA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	6/3/1998	AGRA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
	9/2/1998	AGRA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0
RI Preliminary Screening Level⁷			5.0	3.98	70	100	0.0292	7,200	800	4,800	800	0.643	7.17	3.37
CSM Selected Cleanup Levels for COCs⁸			5.0	5.0	16	---	0.2	---	---	---	---	1.22	---	---
MTCA Cleanup Levels for Other Analytes⁹			---	---	---	160	---	200¹⁰	7.68	4,800	7,200	---	1.41	NE

NOTE:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes concentration of compound is not at or above the laboratory practical quantitation limit indicated.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹ Analyzed by EPA Method 8260B.

² Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-6.

³ Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-2

⁴ Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-4

⁵ Field Duplicate of Groundwater Sample Collected from Monitoring Well WDOE-6

⁶ Equipment Rinsate Blank

⁷ Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

⁸ Cleanup level identified in Table 2 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁹ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, <https://fortress.wa.gov/ecy/clarc/CLARCDATA/Tables.aspx>, unless otherwise noted. Downloaded October 2018.

¹⁰ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

cis-1,2-DCE = cis-1,2-dichloroethene

COC = constituent of concern

CSM = conceptual site model

MEK = methyl ethyl ketone

NA = Not Analyzed

NE = not established

PCE = tetrachloroethene

RI = Remedial Investigation

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

1,1-DCA = 1,1-dichloroethane

1,1,1-TCA = 1,1,1-trichloroethane

Table 4
Summary of Groundwater Analytical Results - Pesticides and Polychlorinated Biphenyls
YSF/AGRI-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Analytical Results (micrograms per liter)			
		4,4-DDD ¹	4,4 DDE ¹	Dieldrin ¹	PCBs ²
MW-1	12/3/1997	<0.1	<0.1	<0.1	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	6/3/1998	NA	NA	NA	NA
	9/2/1998	NA	NA	NA	NA
	12/3/2002	NA	NA	NA	NA
MW-2	12/3/1997	<0.1	0.119	0.102	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	6/3/1998	<0.1	<0.1	<0.1	NA
	9/2/1998	<0.1	<0.1	<0.1	NA
	12/4/2002	<0.05	<0.05	0.05	NA
MW-3	12/3/1997	<0.1	<0.1	<1.0	ND
	3/3/1998	<0.1	<0.1	<1.0	NA
	6/3/1998	<0.1	<0.1	<1.0	NA
	9/2/1998	<0.1	<0.1	<1.0	NA
	12/4/2002	NA	NA	NA	NA
MW-4	12/3/1997	<0.1	<0.1	<0.1	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	6/3/1998	NA	NA	NA	NA
	9/2/1998	NA	NA	NA	NA
	12/4/2002	NA	NA	NA	NA
MW-5	12/3/1997	<0.1	<0.1	<0.1	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	6/3/1998	NA	NA	NA	NA
	9/2/1998	NA	NA	NA	NA
	12/4/2002	NA	NA	NA	NA
MW-6	12/3/1997	<0.1	<0.1	<0.1	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	6/3/1998	NA	NA	NA	NA
	9/2/1998	<0.1	<0.1	<0.1	NA
	12/4/2002	NA	NA	NA	NA
WDOE-6	May-92	0.48	<0.50	1.1	<5.0
	12/3/1997	NA	NA	NA	NA
	3/3/1998	<0.1	<0.1	0.226	NA
	6/3/1998	0.296	0.586	0.242	NA
	9/2/1998	0.100	0.334	<0.1	NA
	12/3/2002	0.13	<0.05	<0.05	NA
MW-7A	12/3/2002	NA	NA	NA	NA
MW-7B	12/3/2002	NA	NA	NA	NA
RI Preliminary Screening Level⁸		0.365	0.257	0.0055	0.1
CSM Selected Cleanup Levels for COCs⁹		0.36	0.26	0.0055	---
MTCA Cleanup Levels for Other Analytes¹⁰		---	---	---	0.1

Table 4
Summary of Groundwater Analytical Results - Pesticides and Polychlorinated Biphenyls
YSF/AGRI-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Analytical Results (micrograms per liter)			
		4,4-DDD ¹	4,4 DDE ¹	Dieldrin ¹	PCBs ²
Quality Assurance and Quality Control Field Samples					
12397QC-D ³	12/3/1997	<0.1	<0.1	<0.1	ND
030398QC-D ⁴	3/3/1998	<0.1	<0.1	<0.1	NA
6398QC-D ⁵	6/3/1998	NA	NA	NA	NA
9298QC-D ⁶	9/2/1998	NA	NA	NA	NA
RB-120302 ⁷	12/3/2002	NA	NA	NA	NA
TRIP BLANK	12/3/1997	<0.1	<0.1	<0.1	ND
	3/3/1998	<0.1	<0.1	<0.1	NA
	9/2/1998	NA	NA	NA	NA
RI Preliminary Screening Level⁸		0.365	0.257	0.0055	0.1
CSM Selected Cleanup Levels for COCs⁹		0.36	0.26	0.0055	---
MTCA Cleanup Levels for Other Analytes¹⁰		---	---	---	0.1

NOTE:

Results in **bold** denote concentrations above preliminary screening levels.

COC = constituent of concern

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

CSM = conceptual site model

NA = Not Analyzed

< denotes concentration of compound is not above the laboratory practical quantitation limit indicated.

ND = Not Detected above PQL for each PCB aroclor

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

PCBs = polychlorinated biphenyls

¹ Analyzed by EPA Method 8081.

² Analyzed by EPA Method 8080.

³ Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-6.

⁴ Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-2.

⁵ Field Duplicate of Groundwater Sample Collected from Monitoring Well MW-4.

⁶ Field Duplicate of Groundwater Sample Collected from Monitoring Well WDOE-6.

⁷ Equipment Rinsate Blank

⁸ Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

⁹ Cleanup level identified in Table 2 of the 2018 Conceptual Site Model (CSM) Technical Memo.

¹⁰ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

Table 5
Soil Screening Level Evaluation
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Frequency of Detection in Soil ¹	Maximum Concentration Detected in Soil (milligram per kilogram)	Carcinogen or Non-Carcinogen (C or NC)	Calculation of Site-Specific Cleanup Levels Performed (Yes or No)	Method A Soil Screening Levels (milligrams per kilogram)		Method B Soil Screening Levels (milligrams per kilogram)				Method C Soil Screening Levels (milligrams per kilogram)				Preliminary Soil Screening Level Selected for Remedial Investigation	COPC Retained as Indicator Hazardous Substance (Yes or No)
					Standard MTCA Method A Cleanup Level for Unrestricted Land Use ²	Standard MTCA Method A Cleanup Level for Industrial Soils ²	Standard Method B ² (Direct Contact/Ingestion Only)	Modified Method B ³ (Direct Contact/Dermal & Ingestion HQ=1.0)	Modified Method B ³ (Direct Contact/Dermal & Ingestion Risk of 1.0E-6)	Modified Method B ³ (Protection of Groundwater)	Standard Method C ² (Direct Contact/Ingestion Only)	Modified Method C ³ (Direct Contact/Dermal & Ingestion HQ=1.0)	Modified Method C ³ (Direct Contact/Dermal & Ingestion Risk of 1.0E-5)	Modified Method C ³ (Protection of Groundwater)		
Volatile Organic Compounds																
Tetrachloroethene (PCE)	24	770	C	Yes	0.05	0.05	19.6	739	18.11	0.05303	8.58	14,550	1,070	0.05303	0.05303	Yes
Trichloroethene (TCE)	11	4.6	C	Yes	0.03	0.03	90.9	Not Available	83.98	0.02631	39.8	Not Available	4,959	0.02631	0.02631	Yes
1,1-dichloroethene	1	0.029	C	Yes	Not Available	Not Available	1.67	719	1.664	0.0005216	219	17,890	124.2	0.0005216	0.0005216	No
cis 1,2-dichloroethene	11	4.5	NC	Yes	Not Available	Not Available	800	798.9	Not Available	0.35	35,000	19,880	Not Available	0.35	0.35	Yes
trans 1,2-dichloroethene	0	ND	NC	No	Not Available	Not Available	1,600	—	—	—	70,000	—	—	—	1,600	No
Vinyl Chloride	0	ND	C	Yes	Not Available	Not Available	0.667	239.7	0.6658	0.0001838	87.5	5,963	49.69	0.0001838	0.0001838	Yes
Ethylbenzene	10	4.0	NC	Yes	6	6	8,000	7,989	Not Available	6.048	350,000	198,800	Not Available	6.048	6.048	No
Toluene	16	0.084	NC	Yes	7	7	16,000	14,780	Not Available	7.271	700,000	290,900	Not Available	7.271	7.271	No
Total xylenes	22	0.526	NC	Yes	9	9	160,000	147,800	Not Available	9.144	7,000,000	2,909,000	Not Available	9.144	9.144	No
n-Propylbenzene	2	0.088	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
1,3,5-trimethylbenzene	4	0.11	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
1,2,4-trimethylbenzene	10	0.30	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
4-isopropyltoluene	1	0.031	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
1,2-dichloropropane	3	0.007	C	Yes	Not Available	Not Available	14.7	Not Available	10.21	0.00305	1,930	Not Available	367.6	0.00305	0.00305	Yes
Acetone	11	0.17	NC	Yes	Not Available	Not Available	8,000	7,989	Not Available	3.211	350,000	198,800	Not Available	3.211	3.211	No
Carbon Disulfide	7	0.011	NC	Yes	Not Available	Not Available	8,000	7,828	Not Available	5.651	350,000	181,800	Not Available	5.651	5.651	No
2-Butanone (MEK)	0	0.023	NC	Yes	Not Available	Not Available	48,000	33,330	Not Available	22	2,100,000	400,000	Not Available	22	22	No
Chloroform	0	ND	C	No	Not Available	Not Available	164	—	—	—	21,500	—	—	—	164	No
Chloromethane	0	ND	C	No	Not Available	Not Available	76.9	—	—	—	10,100	—	—	—	76.9	Yes
1,1,1-trichloroethane	0	ND	NC	No	2	2	72,000	—	—	—	3,150,000	—	—	—	2	No
1,1-dichloroethane	0	ND	NC	No	Not Available	Not Available	800	—	—	—	350,000	—	—	—	800	No
Pesticides and Herbicides																
4,4-DDT	9	1.81	C	Yes	3	4	2.94	27.78	2.042	3.485	386	333.3	73.53	3.485	3.485	No
4,4-DDE	13	11.5	C	Yes	Not Available	Not Available	2.94	Not Available	2.042	0.4459	386	Not Available	73.53	0.4459	0.4459	Yes
4,4-DDD	11	2.07	C	Yes	Not Available	Not Available	4.17	Not Available	2.894	0.3354	547	Not Available	104.2	0.3354	0.3354	Yes
Dieldrin	8	3.36	C	Yes	Not Available	Not Available	0.0625	2.778	0.0434	0.002817	8.2	33.33	1.56	0.002817	0.002817	Yes
Endrin	4	1.13	NC	Yes	Not Available	Not Available	24	16.67	Not Available	0.0404	1,050	200	Not Available	0.0404	0.0404	Yes
Heptachlor epoxide	2	0.59	C	Yes	Not Available	Not Available	0.110	0.7222	0.07631	0.01605	14.4	8.667	2.747	0.01605	0.01605	Yes
Endosulfan compounds	5	0.443	NC	Yes	Not Available	Not Available	480	333.3	Not Available	4.301	21,000	4,000	Not Available	4.301	4.301	No
Aldrin	1	0.635	C	Yes	Not Available	Not Available	0.0588	1.667	0.04085	0.005033	7.72	20.0	1.471	0.005033	0.005033	No
Alpha-chlordane (Chlordane-based)	2	0.939	C	Yes	Not Available	Not Available	2.86	27.78	1.984	0.2576	375	333.3	71.43	0.2576	0.2576	Yes
Ethion	1	0.021	NC	No	Not Available	Not Available	40	—	—	—	1,750	—	—	—	40	No
Metals																
Arsenic	2	6.3	C	No	20	20	0.667	21.62	0.6006	2.92	87.5	400	33.33	2.92	20	No
Antimony	1	0.624	NC	No	Not Available	Not Available	32	28.83	Not Available	5.786	1,400	533.3	Not Available	5.786	32	No
Cadmium	3	23.4	NC	No	2	2	80	72.07	Not Available	0.069	3,500	1,333	Not Available	0.069	2	Yes
Chromium III	3	104	NC	No	2,000	2,000	120,000	108,100	Not Available	1,000	5,250,000	2,000,000	Not Available	1,000	2,000	No
Copper	3	422	NC	No	Not Available	Not Available	2,960	2,667	Not Available	262.8	130,000	49,330	Not Available	262.8	2,960	No
Lead	2	155	C	No	250	1,000	Not Available	Not Available	Not Available	3,000	Not Available	Not Available	Not Available	3,000	1,000	No
Mercury	2	5.09	NC	No	2	2	24	21.62	Not Available	2.088	1,050	400	Not Available	2.088	2	Yes
Nickel	3	88.6	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
Silver	1	3.04	NC	No	Not Available	Not Available	400	360.4	Not Available	13.6	17,500	6,667	Not Available	13.6	400	No
Thallium	1	1.44	NC	No	Not Available	Not Available	Not Available	—	—	—	Not Available	—	—	—	Not Available	No
Zinc	3	5,750	NC	No	Not Available	Not Available	24,000	21,620	Not Available	5,971	1,050,000	400,000	Not Available	5,971	24,000	No

Table 5
Soil Screening Level Evaluation
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Constituent of Potential Concern	Frequency of Detection in Soil ¹	Maximum Concentration Detected in Soil (milligram per kilogram)	Carcinogen or Non-Carcinogen (C or NC)	Calculation of Site-Specific Cleanup Levels Performed (Yes or No)	Method A Soil Screening Levels (milligrams per kilogram)		Method B Soil Screening Levels (milligrams per kilogram)				Method C Soil Screening Levels (milligrams per kilogram)				Preliminary Soil Screening Level Selected for Remedial Investigation	COPC Retained as Indicator Hazardous Substance (Yes or No)
					Standard MTCA Method A Cleanup Level for Unrestricted Land Use ²	Standard MTCA Method A Cleanup Level for Industrial Soils ²	Standard Method B ² (Direct Contact/Ingestion Only)	Modified Method B ³ (Direct Contact/Dermal & Ingestion HQ=1.0)	Modified Method B ³ (Direct Contact/Dermal & Ingestion Risk of 1.0E-6)	Modified Method B ³ (Protection of Groundwater)	Standard Method C ² (Direct Contact/Ingestion Only)	Modified Method C ³ (Direct Contact/Dermal & Ingestion HQ=1.0)	Modified Method C ³ (Direct Contact/Dermal & Ingestion Risk of 1.0E-5)	Modified Method C ³ (Protection of Groundwater)		
Other Hazardous Substances																
PCBs	0	ND	C	No	1	10	Not Available	—	—	—	Not Available	—	—	—	10	No
TPH as Diesel-Range Organics	1	35	NC	No	2,000	2,000	Not Available	—	—	—	Not Available	—	—	—	2,000	No
TPH as Oil-Range Organics	1	260	NC	No	2,000	2,000	Not Available	—	—	—	Not Available	—	—	—	2,000	No
Total Carcinogenic PAHs	2	0.042	C	No	0.1	2	0.137	—	—	—	18	—	—	—	0.137	No

NOTE:

ND denotes not detected above the laboratory Practical Quantitation Limit.

Not Available denotes there was no information in State or Federal regulations available for standard cleanup levels or MCLs or additional parameters needed to calculate site-specific soil or groundwater cleanup levels.

— denotes calculation of cleanup level not performed.

¹ Frequency of detection is based on all soil samples collected between 1992 and 2002. The total number of soil samples is 51.

² Standard Model Toxics Control Act (MTCA) Methods A, B, and C soil (direct contact pathway [ingestion only]) cleanup levels obtained from Ecology Publication, Cleanup levels and Risk Calculations (CLARC) Version 3.1, November 2001.

³ Modified Methods B and C soil and groundwater cleanup levels have been calculated using Ecology worksheet for calculating soil cleanup levels for unrestricted and industrial land use. Modified Methods B and C soil cleanup levels presented are the more stringent cleanup levels for the direct contact, ingestion, and dermal pathways.

COPC = constituent of potential Concern

HQ = hazard quotient

NT = not tested.

PAHs = polycyclic aromatic hydrocarbons

PCBs = polychlorinated biphenyls

TPH = total petroleum hydrocarbons

**Table 6
Groundwater Screening Level Evaluation
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001**

Constituent of Potential Concern	Monitoring Wells COPC has been Detected	Maximum Concentration Detected in Groundwater (micrograms per liter)	Carcinogen or Non-Carcinogen (C or NC)	Calculation of Site-Specific Cleanup Levels Performed (Yes or No)	Groundwater Screening Levels (micrograms per liter)						Surface Water Screening Levels (micrograms per liter)		Preliminary Groundwater Screening Level Selected for Remedial Investigation	COPC Retained as Indicator Hazardous Substance (Yes or No)
					Standard Method A ¹	MCL ²	Standard Method B ¹	Modified Method B ³	Standard Method C ¹	Modified Method C ³	Standard Method B ¹	Standard Method C ¹		
Volatile Organic Compounds														
Tetrachloroethene (PCE)	All but MW-7A	420	C	Yes	5.0	5.0	0.858	4.75	8.58	4.75	4.15	104	5.0	Yes
Trichloroethene (TCE)	All but MW-7A/7B	430	C	Yes	5.0	5.0	3.98	3.98	39.8	3.98	55.6	1,390	3.98	Yes
1,1-dichloroethene	None	ND	C	Yes	Not Available	7	0.0729	0.0729	0.729	0.0729	1.93	48.2	0.0729	No
cis 1,2-dichloroethene	All	270	NC	Yes	Not Available	70	80	70	175	80	Not Available	Not Available	70	Yes
trans 1,2-dichloroethene	MW-2/WDOE-6	2.34	NC	No	Not Available	100	160	—	350	—	32,800	82,000	100	No
Vinyl Chloride	MW-2/MW-6/WDOE-6	4.24	C	Yes	0.2	2.0	0.0292	0.0292	0.292	0.0292	3.69	92.3	0.0292	Yes
Ethylbenzene	None	ND	NC	Yes	700	700	800	700.0	1,750	700.0	6,190	17,300	700.0	No
Toluene	None	ND	NC	Yes	1,000	1,000	1,600	1,000	3,500	1,000	48,500	121,000	1,000	No
Total xylenes	None	ND	NC	Yes	1,000	10,000	16,000	10,000	35,000	10,000	Not Available	Not Available	1,000	No
n-Propylbenzene	None	ND	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
1,3,5-trimethylbenzene	None	ND	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
1,2,4-trimethylbenzene	None	ND	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
4-isopropyltoluene	None	ND	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
1,2-dichloropropane	WDOE-6	1.73	C	Yes	Not Available	5	0.643	0.643	6.43	0.643	23.2	580	0.643	Yes
Acetone	MW-4	24.1	NC	Yes	Not Available	Not Available	800	800	1,750	800	Not Available	Not Available	800	No
Carbon Disulfide	None	ND	NC	Yes	Not Available	Not Available	800	800	1,750	800	Not Available	Not Available	800	No
2-Butanone (MEK)	MW-3	0.23	NC	Yes	Not Available	Not Available	4,800	4,800	1,400	4,800	Not Available	Not Available	4,800	No
Chloroform	MW-1/MW-3/MW-4/MW-5	3.0	C	No	Not Available	Not Available	7.17	—	71.7	—	283	7,080	7.17	No
Chloromethane	MW-2/MW-3/MW-4/MW-5	12.1	C	No	Not Available	Not Available	3.37	—	33.7	—	133	3,320	3.37	Yes
1,1,1-trichloroethane	MW-1	0.15	NC	No	Not Available	200	7,200	—	15,800	—	417,000	15,800	7,200	No
1,1-dichloroethane	MW-2	0.22	NC	No	Not Available	Not Available	800	—	1,750	—	Not Available	Not Available	800	No
Pesticides and Herbicides														
4,4-DDT	None	ND	C	Yes	0.3	Not Available	0.257	0.254	2.57	0.254	0.000356	0.00889	0.257	No
4,4-DDE	MW-2/WDOE-6	0.586	C	Yes	Not Available	Not Available	0.257	0.257	2.57	0.257	0.000356	0.00889	0.257	Yes
4,4-DDD	WDOE-6	0.48	C	Yes	Not Available	Not Available	0.365	0.365	3.65	0.365	0.000504	0.0126	0.365	Yes
Dieldrin	MW-2/WDOE-6	1.1	C	Yes	Not Available	Not Available	0.00547	0.0055	0.0547	0.0055	0.0000867	0.00217	0.0055	Yes
Endrin	None	ND	NC	Yes	Not Available	2	4.80	2.0	10.5	2.0	0.196	0.490	2.0	No
Heptachlor epoxide	None	ND	C	Yes	Not Available	0.2	0.00962	0.0096	0.0962	0.0096	0.0000636	0.00159	0.0096	No
Endosulfan compounds	None	ND	NC	Yes	Not Available	Not Available	96.0	96.0	210	96.0	57.6	144	96.0	No
Aldrin	None	ND	C	Yes	Not Available	Not Available	0.00515	0.0051	0.0515	0.0051	0.0000816	0.00204	0.0051	No
Alpha-chlordane (Chlordane-based)	None	ND	C	Yes	Not Available	2	0.25	0.250	2.5	0.250	0.00131	0.0328	0.250	No
Ethion	None	ND	NC	No	Not Available	Not Available	8.00	—	17.5	—	Not Available	Not Available	8.00	No

**Table 6
Groundwater Screening Level Evaluation
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001**

Constituent of Potential Concern	Monitoring Wells COPC has been Detected	Maximum Concentration Detected in Groundwater (micrograms per liter)	Carcinogen or Non-Carcinogen (C or NC)	Calculation of Site-Specific Cleanup Levels Performed (Yes or No)	Groundwater Screening Levels (micrograms per liter)						Surface Water Screening Levels (micrograms per liter)		Preliminary Groundwater Screening Level Selected for Remedial Investigation	COPC Retained as Indicator Hazardous Substance (Yes or No)
					Standard Method A ¹	MCL ²	Standard Method B ¹	Modified Method B ³	Standard Method C ¹	Modified Method C ³	Standard Method B ¹	Standard Method C ¹		
Metals														
Arsenic	NT	NT	C	No	5.0	50.0	0.0583	—	0.583	—	0.0982	2.46	5.0	No
Antimony	NT	NT	NC	No	Not Available	6	6.4	—	14.0	—	1,040	2,590	6.4	No
Cadmium	NT	NT	NC	No	5.0	5.0	8.0	—	17.5	—	20.3	50.6	5.0	Yes
Chromium III	NT	NT	NC	No	50.0	100.0	24,000	—	52,500	—	243,000	608,000	50.0	No
Copper	NT	NT	NC	No	Not Available	1,300	592	—	1,300	—	2,660	6,660	592	No
Lead	NT	NT	C	No	15.0	15.0	Not Available	—	Not Available	—	Not Available	Not Available	15.0	No
Mercury	NT	NT	NC	No	2.0	2.0	4.8	—	10.5	—	Not Available	Not Available	2.0	Yes
Nickel	NT	NT	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
Silver	NT	NT	NC	No	Not Available	100	80	—	175	—	25,900	64,800	80	No
Thallium	NT	NT	NC	No	Not Available	Not Available	Not Available	—	Not Available	—	Not Available	Not Available	Not Available	No
Zinc	NT	NT	NC	No	Not Available	5,000	4,800	—	10,500	—	16,500	41,400	4,800	No
Other Hazardous Substances														
PCBs	None	ND	C	No	0.1		Not Available	—	Not Available	—	Not Available	Not Available	0.1	No
TPH as Diesel Range Organics	None	ND	NC	No	500		Not Available	—	Not Available	—	Not Available	Not Available	500	No
TPH as Oil Range Organics	None	ND	NC	No	500		Not Available	—	Not Available	—	Not Available	Not Available	500	No
Total Carcinogenic PAHs	None	ND	C	No	0.1		0.0120	—	0.120	—	Not Available	Not Available	0.0120	No

NOTE:

ND denotes not detected above the laboratory Practical Quantitation Limit.

NONE denotes COPC was not detected in any of the groundwater samples collected between 1992 and 2002.

Not Available denotes there was no information in State or Federal regulations available for standard cleanup levels or MCLs or additional parameters needed to calculate site-specific soil or groundwater cleanup levels

— denotes calculation of cleanup level not performed.

¹Standard Model Toxics Control Act (MTCA) Method A, B, and C groundwater cleanup levels obtained from Ecology Publication 94-145, Cleanup Levels and Risk Calculations (CLARC) Version 3.1, November 2001.

²MCLs reported as presented in the CLARC, November 2001 which consider Federal and State ARARs for potable groundwater.

³Modified Method B and C groundwater cleanup levels have been calculated using Ecology worksheet for calculating soil cleanup levels for unrestricted and industrial land use.

COPC = Constituent of Potential Concern

MCL = Maximum Contaminant Level

NT = Not tested. Analysis for the analyte was not performed.

PAHs = Polycyclic Aromatic Hydrocarbons

PCBs = Polychlorinated Biphenyls

TPH = Total petroleum hydrocarbons

Table 7
Average Monthly Climate Data
YSF\Agri-Tech
Yakima, Washington
Farallon PN: 765-001

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Average Maximum Temperature (Fahrenheit)	37.1	45.7	55.2	63.8	72.6	79.7	87.3	86	77.7	64.1	48.1	38	62.9
Average Minimum Temperature (Fahrenheit)	20.2	25.7	29.9	34.8	42.2	49	53	51.6	44.1	34.7	27.9	22.5	36.3
Average Total Precipitation (Inches)	1.27	0.78	0.68	0.52	0.54	0.69	0.2	0.32	0.36	0.55	1.04	1.27	8.22
Average Total Snowfall (Inches)	8.4	3.2	1.4	0	0	0	0	0	0	0.1	2.7	8.3	24.1

NOTE:

Period of Record: 1946 to 2000 (Data collection provided by Western Regional Climate Center website)

Table 8
Summary of Soil Analytical Results - Petroleum Hydrocarbons
and Polycyclic Aromatic Hydrocarbons
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Sample Date	Depth (feet) ¹	Analytical Results (milligrams per kilogram)										Total cPAHs TEC ^{4,5}	
			ORO ²	DRO ²	Fluoranthene	Benzo(b)fluoranthene ³	Chrysene ³	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Indeno(1,2,3-cd)pyrene	Benzo(k)fluoranthene ³	Benzo(a)pyrene		
Area 3 Soil Analytical Results without Acid Silica Gel Cleanup for DRO and ORO.														
SP-23-8	10/22/1997	4.0-8.0	<100	<25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.008
SP24-7.5	10/22/1997	4.0-7.5	200	37	0.012	0.019	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.009
SP25-4	10/22/1997	0.5-4.0	580	69	0.020	0.018	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.013
Area 3 Soil Analytical Results with Acid Silica Gel Cleanup for DRO and ORO.														
SP-23-8	10/22/1997	4.0-8.0	<100	<25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.008
SP24-7.5	10/22/1997	4.0-7.5	<100	<25	0.012	0.019	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.009
SP25-4	10/22/1997	0.5-4.0	260	35	0.020	0.018	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.013
RI Preliminary Screening Level⁶			2,000	2,000	0.137	0.137	0.137	NA	NA	NA	0.137	NA	NA	---
CSM Selected Cleanup Levels for COCs⁷			2,000	2,000	---	---	---	---	---	---	---	---	---	2.33
MTCA Cleanup Levels for Other Analytes⁸			---	---	3,200	---	---	---	---	---	---	---	---	---

NOTE:

< denotes concentration of compound is not at or above the laboratory practical quantitation limit indicated.

¹Depth below ground surface in feet.

²Analyzed by Ecology Method NWTPH-Dx. Acid silica gel cleanup used to remove contribution of organic materials observed in soil.

³Analyzed by EPA Method 8270-SIM. Carcinogenic PAHs are depicted only.

⁴Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

⁵For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.

⁶Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

⁷Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁸Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDATATables.aspx>.

Downloaded October 2018.

COC = constituent of concern

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

CSM = Conceptual Site Model

DRO = TPH as diesel-range organics

NA = not applicable to noncarcinogenic PAHs

ORO = TPH as heavy-oil-range organics

PAHs = polycyclic aromatic hydrocarbons

RI = Remedial Investigation

TEC = toxic equivalent concentration

TPH = total petroleum hydrocarbons

Table 9
Summary of Soil Analytical Results - Metals
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date	Depth ¹ (feet)	Analytical Results (milligrams per kilogram)										
			Total Metals ²										
			Arsenic	Antimony	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Silver	Thallium	Zinc
Area 3, Potential Petroleum Release Area, and Western Site Boundary with the Bay Chemical Site.													
SP-23-8	10/22/1997	4.0-8.0	<5.0	<0.500	1.65	104	422	155	88.6	<0.050	<1.0	<0.500	579
SP24-7.5	10/22/1997	4.0-7.5	3.35	<0.500	23.4	38.8	119	<0.500	19.6	5.09	3.04	<0.500	5,750
SP25-8	10/22/1997	4.0-8.0	6.3	0.624	5.49	17.5	27.0	47.7	17.0	0.137	<1.0	1.44	3,240
Natural Background Concentrations³			5.0	NA	1	38	27.0	11	46.0	0.05	NA	NA	79
RI Preliminary Screening Level⁴			20.0	32	2	2,000	2960.0	1000	NA	2	400	NA	24,000
CSM Selected Cleanup Levels for COCs⁵			2.92	5.42	0.69	---	284	220	---	2.09	---	---	570
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	2,000⁷	---	---	1,600	---	400	0.80	---

NOTE:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes concentration of compound is not at or above the laboratory practical quantitation limit indicated.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Memo.

¹Depth below ground surface in feet.

²Analyzed by EPA Method 6000 and 7000 Series Methods.

³Natural Background concentrations of metals for the Yakima Basin as presented in Natural Background Soil Metals Concentrations in Washington State, Ecology Publication 94-115, October 1994.

⁴Preliminary screening level has been selected for preliminary evaluation of analytical data for the Remedial Investigation only.

⁵Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁶Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx>, unless otherwise noted. Downloaded October 2018.

⁷Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

COC = constituent of concern

CSM = Conceptual Site Model

NA = not applicable, no cleanup levels available

RI = Remedial Investigation

Table 10
Monitoring Well Construction Details
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Monitoring Well Identification	Total Depth of Well (feet below TOC) ¹	Diameter (inches)	Screened Interval (feet bgs) ²	Well Screen Slot Size (inches)	Well Construction Material	Top of Well Casing Elevation (feet MSL) ³	Latitude (degrees-minutes-seconds) ⁴	Longitude (degrees-minutes-seconds) ⁴
MW-1	26	2	6 - 26	0.020	PVC	1002.88	N46-34-12	W120-29-28
MW-2	12	2	2 - 12	0.020	PVC	1002.59	N46-34-08	W120-29-26
MW-3	27	2	7 - 27	0.020	PVC	1000.81	N46-34-08	W120-29-23
MW-4	25	2	5 - 25	0.020	PVC	1000.82	N46-34-06	W120-29-23
MW-5	28	2	8 - 28	0.020	PVC	1001.45	N46-34-05	W120-29-27
MW-6	13	2	3 - 13	0.020	PVC	1002.28	N46-34-05	W120-29-26
MW-7A	17	2	7 - 17	0.020	PVC	999.96	N46-34-02	W120-29-24
MW-7B	33	2	28 - 33	0.020	PVC	999.82	N46-34-02	W120-29-24
WDOE-6	16	2	11 - 16	0.020	Galvanized steel blank/stainless steel well screen	1002.27	N46-34-08	W120-29-26

NOTE:

¹Total depth of well is based on average field measurements between December 1997 and December 2002.

²Screened interval is based on total well depth measurements.

³Top of well casing elevations provided by Upton Surveying, using City of Yakima datum benchmark NAVD29.

⁴Latitude and longitude provided by Upton Surveying, using City of Yakima horizontal datum benchmark NAD83.

bgs = below ground surface

MSL = mean sea level

PVC = polyvinyl chloride

TOC = top of well casing

Table 11
Summary of Groundwater Elevation Data
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Well Number	Date Measured	Measured By	Well Elevation (msl)	Depth to Water (bgs)	Groundwater Elevation (msl)
MW-1	12/3/1997	AGRA	1002.88	4.41	998.47
	3/3/1998	AGRA		5.78	997.10
	6/3/1998	AGRA		4.60	998.28
	9/2/1998	AGRA		2.52	1,000.36
	12/3/2002	Farallon		4.91	997.97
MW-2	12/3/1997	AGRA	1002.59	5.15	997.44
	3/3/1998	AGRA		6.75	995.84
	6/3/1998	AGRA		5.46	997.13
	9/2/1998	AGRA		3.36	999.23
	12/4/2002	Farallon		5.86	996.73
MW-3	12/3/1997	AGRA	1000.81	4.18	996.63
	3/3/1998	AGRA		5.65	995.16
	6/3/1998	AGRA		4.64	996.17
	9/2/1998	AGRA		2.57	998.24
	12/4/2002	Farallon		4.92	995.89
MW-4	12/3/1997	AGRA	1000.82	4.56	996.26
	3/3/1998	AGRA		6.02	994.80
	6/3/1998	AGRA		5.02	995.80
	9/2/1998	AGRA		3.03	997.79
	12/4/2002	Farallon		5.36	995.46
MW-5	12/3/1997	AGRA	1001.45	4.92	996.53
	3/3/1998	AGRA		6.49	994.96
	6/3/1998	AGRA		5.28	996.17
	9/2/1998	AGRA		3.35	998.10
	12/4/2002	Farallon		5.72	995.73
MW-6	12/3/1997	AGRA	1002.28	5.23	997.05
	3/3/1998	AGRA		6.78	995.50
	6/3/1998	AGRA		5.56	996.72
	9/2/1998	AGRA		3.50	998.78
	12/4/2002	Farallon		5.94	996.34
WDOE-6	12/3/1997	AGRA	1002.27	NM	—
	3/3/1998	AGRA		5.51	996.76
	6/3/1998	AGRA		4.29	997.98
	9/2/1998	AGRA		2.20	1,000.07
	12/3/2002	Farallon		4.55	997.72
MW-7A	12/3/2002	Farallon	999.96	5.57	994.39
MW-7B	12/3/2002	Farallon	999.82	5.75	994.07

NOTE:

Wells resurveyed 12/2002

bgs = below ground surface

— denotes data not available.

msl = feet above mean sea level relative to City of Yakima NAVD29 datum/benchmark.

NM = not measured

Table 12
Water Quality Parameters
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Sampled By	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/l)	pH	ORP (mV)
MW-1	12/3/1997	AGRA	14.50	3.30	0.61	6.58	—
	3/3/1998	AGRA	14.30	1.97	2.28	7.10	—
	6/3/1998	AGRA	14.50	—	2.88	7.03	360
	9/2/1998	AGRA	15.70	3.40	2.07	6.90	130
	12/3/2002	Farallon	14.08	—	5.25	6.91	189
MW-2	12/3/1997	AGRA	13.20	5.07	0.41	6.98	—
	3/3/1998	AGRA	13.80	2.03	1.59	7.00	—
	6/3/1998	AGRA	14.40	—	0.50	7.85	205
	9/2/1998	AGRA	20.70	10.92	0.39	6.40	126
	12/4/2002	Farallon	15.52	—	0.92	6.62	21
MW-3	12/3/1997	AGRA	15.00	3.63	0.42	6.00	—
	3/3/1998	AGRA	12.40	1.61	3.58	7.00	—
	6/3/1998	AGRA	14.10	—	4.12	7.48	398
	9/2/1998	AGRA	17.80	3.04	1.45	7.00	143
	12/4/2002	Farallon	13.36	—	4.32	6.82	67
MW-4	12/3/1997	AGRA	14.10	3.04	1.10	6.60	—
	3/3/1998	AGRA	11.70	1.98	1.79	6.90	—
	6/3/1998	AGRA	14.20	—	1.71	8.68	255
	9/2/1998	AGRA	17.90	4.04	0.96	6.80	156
	12/4/2002	Farallon	14.08	—	3.14	6.75	61
MW-5	12/3/1997	AGRA	15.80	4.84	0.58	6.00	—
	3/3/1998	AGRA	12.70	1.70	1.94	7.00	—
	6/3/1998	AGRA	13.90	—	3.10	6.86	333
	9/2/1998	AGRA	17.90	4.19	1.64	6.90	137
	12/4/2002	Farallon	14.06	—	2.94	6.67	58
MW-6	12/3/1997	AGRA	15.70	3.90	1.00	6.30	—
	3/3/1998	AGRA	12.80	3.90	1.46	6.80	—
	6/3/1998	AGRA	13.70	—	1.36	7.90	171
	9/2/1998	AGRA	19.30	5.61	1.01	6.80	90
	12/4/2002	Farallon	15.40	—	1.25	6.70	-1
WDOE-6	May-92	Ecology	—	—	—	—	—
	12/3/1997	AGRA	—	—	—	—	—
	3/3/1998	AGRA	10.80	5.65	1.57	6.40	—
	6/3/1998	AGRA	15.40	—	0.74	8.51	135
	9/2/1998	AGRA	17.00	3.77	0.65	6.80	19
	12/3/2002	Farallon	14.07	—	0.49	6.51	-94
MW-7A	12/3/2002	Farallon	9.13	—	1.20	6.70	-82
MW-7B	12/3/2002	Farallon	12.80	—	1.54	6.83	9

NOTES:

— denotes water quality parameter data not collected

°C - degrees Celsius

mg/l - milligrams per liter

mS/cm - milliSiemens per centimeter

mV - milli volts

ORP = oxidation reduction potential

Table 13
Groundwater Analytical Results - Natural Attenuation Parameters
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Date Sampled	Sampled By	Analytical Results (milligrams per liter)										
			Alkalinity ¹	Sulfate ²	Sulfide ³	Methane ⁴	Ethane ⁴	Ethene ⁴	Ferrous Iron ⁵	Nitrate ⁶	Total Phosphate ⁷	Chloride ⁸	Total Organic Carbon ⁹
MW-1	12/3/1997	AGRA	144	81.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	96.3	25.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	96	20.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	102	61.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/3/2002	Farallon	74	25	<0.050	<0.01	<0.01	<0.01	0.088	2.9	0.2	12	1.1
MW-2	12/3/1997	AGRA	166	134	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	116	35.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	104	59.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	84	758	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002	Farallon	79	46	<0.050	0.02	<0.01	<0.01	0.19	<0.010	0.57	12	1.8
MW-3	12/3/1997	AGRA	156	21.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	110	18.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	102	17.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	108	32.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002	Farallon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	12/3/1997	AGRA	188	52	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	113	23.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	110	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	110	55.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002	Farallon	79	34	<0.050	<0.01	<0.01	<0.01	0.039	2.3	0.12	12	1.8
MW-5	12/3/1997	AGRA	155	86.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	114	50.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	103	61.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	104	91.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002	Farallon	74	42	<0.050	<0.01	<0.01	<0.01	0.044	2	0.11	12	0.75
MW-6	12/3/1997	AGRA	180	81.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/1998	AGRA	115	68.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/3/1998	AGRA	99	82.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	124	147	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/4/2002	Farallon	81	61	<0.050	0.11	<0.01	<0.01	0.46	0.027	0.12	12	0.79
WDOE-6	3/3/1998	AGRA	85.5	209	NA	NA	NA	NA	NA	N	NA	NA	NA
	6/3/1998	AGRA	79	74.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/2/1998	AGRA	97	95.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/3/2002	Farallon	78	57	0.2	0.04	<0.01	<0.01	4.1	0.019	0.091	14	2
MW-7A	12/3/2002	Farallon	210	130	<0.050	0.12	<0.01	<0.01	0.035	0.011	0.068	16	4.5
MW-7B	12/3/2002	Farallon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTE:

Results in **BOLD** indicate the analyte was not detected at a concentration above the laboratory practical quantitation limit.

NA = Not Analyzed

< denotes concentration of compound is not at or above the laboratory practical quantitation limit initiated.

¹Analyzed by EPA Method 310.1.

⁴Analyzed by Method -GC in house.

⁷Analyzed by EPA Method 365.1.

²Analyzed by EPA Method 375.4.

⁵Analyzed by Method SM18 3500FED.

⁸Analyzed by EPA Method 325.3.

³Analyzed by EPA Method 376.1.

⁶Analyzed by EPA Method 353.2, 354.1.

⁹Analyzed by EPA Method 415.2.

Table 14
Locations that Exceed Preliminary Soil and Groundwater Screening Levels
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Depth ¹ (feet)	Indicator Hazardous Substance ²													
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis 1,2- dichloroethene	Vinyl Chloride	1,2- dichloropropane	Chloromethane	4,4-DDE	4,4-DDD	Dieldrin	Endrin	Heptachlor epoxide	Alpha- chlordane	Cadmium	Mercury
SOIL															
Area 1: Former Yakima Farmer Supply Waste Pit Area															
468110 (WDOE-6)	10	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NA	NA
YSF-1 (TP-1)	4	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
YSF-2 (TP-1)	5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
YSF-3 (TP-1)	8	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
YSF-4 (TP-2)	4.5	Yes	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	No	NA	NA
YSF-5 (TP-3)	6	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
YSF-6 (TP-4)	7.5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP1-4	0.5-4.0	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NA	NA
SP2-4	0.5-4.0	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	No	Yes	NA	NA
SP2A-6.5	4.0-6.5	Yes	No	No	No	No	No	No	No	Yes	No	No	No	NA	NA
SP3-4	0.5-4.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP4-7	4.0-7.0	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
SP5-6.5	4.0-6.5	Yes	Yes	Yes	No	No	No	No	No	Yes	No	No	No	NA	NA
SP6-5.5	4.0-5.5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP7-7	4.0-7.0	Yes	No	No	No	Yes	No	No	No	No	No	No	No	NA	NA
SP8-7	4.0-7.0	No	No	No	No	No	No	Yes	No	Yes	No	No	No	NA	NA
SP9-7.5	4.0-7.5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP10-4	0.5-4	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	No	NA	NA
SP11-6	4.0-6.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP12-8	4.0-8.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP13/14-6	4.0-6.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP15-6	4.0-6.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP16-8	4.0-8.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP17-4	0.5-4.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP18-4	0.5-4.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP19-7	4.0-7.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP20-8	4.0-8.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP21-5	1.0-5.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP22-7	4.0-7.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW1-5	5.0-6.5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW1-10	10.0-11.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW6-6	6.0-8.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
B1-10	10.0-11.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
B1-30	30.0-31.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
B2-10	10.0-11.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Preliminary Screening Level (milligrams per kilogram)		0.053	0.02631	0.35	0.0001838	0.00305	76.9	0.4459	0.3354	0.002817	0.0404	0.01605	0.2576	2	2

Table 14
Locations that Exceed Preliminary Soil and Groundwater Screening Levels
YSF/Agri-Tech
Yakima, Washington
Farallon PN: 765-001

Sample Number	Depth ¹ (feet)	Indicator Hazardous Substance ²													
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis 1,2-dichloroethene	Vinyl Chloride	1,2-dichloropropane	Chloromethane	4,4-DDE	4,4-DDD	Dieldrin	Endrin	Heptachlor epoxide	Alpha-chlordane	Cadmium	Mercury
Area 2: Former Yakima Farmer Supply Lime and Sulfur Stockpile Locations															
SP23-8	4.0-8.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP24-7.5	4.0-7.5	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
SP25-4	0.5-4.0	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Area 3: Potential Petroleum Release Area															
SP26-6.5	4.0-6.5	No	No	No	No	No	No	No	No	No	No	No	No	No	No
SP27-7.5	4.0-7.5	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes
SP28-7.5	4.0-7.5	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No
Type 3 Wetlands Area															
Drum 1 (MW-7A)	0 -15	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Drum 3 (MW-7B)	15-25	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Drum 4 (MW-7B)	25-32	0	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Preliminary Screening Level (milligrams per kilogram)		0.053	0.02631	0.35	0.0001838	0.00305	76.9	0.4459	0.3354	0.002817	0.0404	0.01605	0.2576	2	2
GROUNDWATER															
MW-1	Deep	Yes	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW-2	Shallow	No	No	No	Yes	No	Yes	No	No	Yes	No	No	No	NA	NA
MW-3	Deep	Yes	No	No	No	No	Yes	No	No	No	No	No	No	NA	NA
MW-4	Deep	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW-5	Deep	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW-6	Shallow	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	NA	NA
WDOE-6	Shallow	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	NA	NA
MW-7A	Shallow	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
MW-7B	Deep	No	No	No	No	No	No	No	No	No	No	No	No	NA	NA
Preliminary Screening Level (micrograms per liter)		5.0	3.98	70	0.0292	0.643	3.37	0.257	0.365	0.0055	2.0	0.0096	0.250	5.0	2.0

NOTE:

Highlighted analyte exceeds preliminary screening level.

Deep denotes the groundwater monitoring well was designed to monitor deeper regional groundwater up to a depth of 33 feet bgs.

NA denotes that the soil or groundwater sample was not analyzed for this substance.

No denotes compound has not been detected at a concentration above the preliminary screening level selected for the Remedial Investigation.

Shallow denotes the groundwater monitoring well was designed to monitor shallow groundwater in direct contact with the waste pit materials.

Yes denotes that the compound has been detected at a concentration above the preliminary screening level selected for the Remedial Investigation.

¹Depth below ground surface in feet.

²Indicator Hazardous Substances represent those constituents of potential concern that have been detected in two or more soil samples or have been detected at a minimum frequency of one groundwater sampling event for groundwater samples. The concentrations of these substances have also exceeded the preliminary screening level selected for the Remedial Investigation.

ATTACHMENT B
WASHINGTON DEPARTMENT OF ECOLOGY TEST PIT SAMPLING
TABLES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington

Farallon PN: 765-001

Table 1
Soil Analytical Results for Petroleum Hydrocarbons
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²		Benzene ³	Toluene ³	Ethylbenzene ³	Xylenes ³
						DRO	ORO ³				
Soil Samples											
I	3	I-TP3-052411-3.0	580-26377-1	5/24/2011	3.0	4,600 Y	220	<0.00099	<0.002	0.029	0.036
		I-TP3-052411-7.5	580-26377-1	5/24/2011	7.5	390 Y	<60	<0.00095	<0.0019	0.0056	<0.00285
	4	I-TP4-052711-2.5	580-26530-1	5/27/2011	2.5	120 Y	930	<0.0011	<0.0023	<0.0011	<0.0034
	6	I-TP6-052711-4.5	580-26530-1	5/27/2011	4.5	98 Y	91	<0.0018	<0.0036	<0.0018	<0.0084
FS Work Plan Preliminary Screening Levels⁴						2,000	2,000	NE	7.271	6.048	9.144
CSM Selected Cleanup Levels for COCs⁵						2,000	2,000	---	---	---	---
MTCA Cleanup Levels for Other Analytes⁶						---	---	0.03	7.0	6.0	9.0

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes analyte not detected at or above the laboratory reporting limit listed.

--- denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹ Depth in feet below ground surface.

² Analyzed by Northwest Method NWTPH-Dx.

³ Compound was not retained as a COPC following completion of the June 2004 Revised Remedial Investigation Report.

⁴ Preliminary screening level as identified in the May 2011 Feasibility Study Work Plan.

⁵ Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁶ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

COC = constituent of concern

COPC = constituent of potential concern

CSM = Conceptual Site Model

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

FS = Feasibility Study

ORO = TPH as oil-range organics

NA = not applicable

Y = The chromatographic response resembles a typical fuel pattern.

Table 2
Soil Analytical Results for Volatile Organic Compounds
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²												
						Benzene ³	Ethylbenzene ³	m-p-Xylene ³	o-Xylene ³	Toluene ³	Naphthalene ³	n-Butylbenzene ³	Sec-Butylbenzene ³	Isopropylbenzene ³	Methylene Chloride ³	4-Methyl-2-Pentanone ³	4-Isopropyltoluene ³	n-Propylbenzene ³
Soil Samples																		
B	1	B-TP1-052611-6.0	580-26451-1	5/26/2011	6.0	<0.0012 H	0.0012 H	0.0049 H	0.0017 H	<0.0025 H	<0.0062 H	<0.0025 H	<0.0025 H	<0.0025 H	<0.019 H	<0.0062 H	<0.0025 H	<0.0012 H
		B-TP1-052611-6.5	580-26451-1	5/26/2011	6.5	<0.00088	<0.00088	<0.0018	<0.00088	<0.0018	<0.0044	<0.0018	<0.0018	<0.0018	<0.013	<0.0044	<0.0018	<0.00088
	2	B-TP2-052611-5.5	580-26451-1	5/26/2011	5.5	<0.00096	<0.00096	<0.0019	<0.00096	<0.0019	<0.0048	<0.0019	<0.0019	<0.0019	<0.014	<0.0048	<0.0019	<0.00096
		B-TP3-052611-5.5	580-26451-1	5/26/2011	5.5	<0.00094	<0.00094	<0.0019	<0.0019	<0.0019	<0.0047	<0.0019	<0.0019	<0.0019	<0.014	<0.0047	<0.0019	<0.00094
H	1	H-TP1-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.00094	<0.00094	<0.0019	0.0021	<0.0019	<0.0047	<0.0019	<0.0019	<0.0019	<0.014	<0.0047	<0.0019	<0.00094
		H-TP1-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<0.0011	<0.0011	<0.0021	<0.0011	<0.0021	<0.0053	<0.0021	<0.0021	<0.0021	<0.016	<0.0053	<0.0021	<0.0011
	2	H-TP2-052611-1.0-1.5	580-26451-1	5/26/2011	1.5	<0.0011	<0.0011	<0.0022	<0.0011	<0.0022	<0.0055	<0.0022	<0.0022	<0.0022	<0.016	<0.0055	<0.0022	<0.0011
		H-TP2-052611-2.0-2.5	580-26451-1	5/26/2011	2.5	<0.0011 H	0.0024 H	0.011 H	0.004 H	0.0042 H	<0.0057 H	<0.0023 H	<0.0023 H	<0.0023 H	<0.017 H	<0.0057 H	<0.0023 H	<0.0011 H
	3	H-TP3-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.0011 H	<0.0011 H	<0.0022 H	<0.0011 H	<0.0022 H	<0.0056 H	<0.0022 H	<0.0022 H	<0.0022 H	<0.017 H	<0.0056 H	<0.0022 H	<0.0011 H
		H-TP3-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<0.00093	<0.00093	<0.0019	<0.00093	<0.0019	<0.0047	<0.0019	<0.0019	<0.0019	<0.014	<0.0047	<0.0019	<0.00093
I	3	I-TP3-052411-3.0	580-26377-1	5/24/2011	3.0	<0.00099	0.029	0.013	0.023	<0.002	1.7 H	0.230 H	0.320 H	0.15	<0.015	<0.0050	0.250 H	0.180 H
		I-TP3-052411-7.5	580-26377-1	5/24/2011	7.5	<0.00095	0.0056	<0.0019	<0.00095	<0.0019	0.12	0.091	0.029	0.015	<0.014	<0.0047	0.032	0.030
	4	I-TP4-052711-2.5	580-26530-1	5/27/2011	2.5	<0.0011	<0.0011	<0.0023	<0.0011	<0.0023	<0.0056	<0.0023	<0.0023	<0.0023	<0.017	<0.0056	<0.0023	<0.0011
		I-TP4-052711-8.0	580-26530-1	5/27/2011	8.0	<0.0011	<0.0011	<0.0023	<0.0011	<0.0023	<0.0057	<0.0023	<0.0023	<0.0023	<0.017	<0.0057	<0.0023	<0.0011
	5	I-TP5-052711-4.5	580-26530-1	5/27/2011	4.5	<0.0014	<0.0014	<0.0029	<0.0014	<0.0029	<0.0072	<0.0029	<0.0029	<0.0029	<0.021	<0.0072	<0.0029	<0.0014
		I-TP6-052711-4.5	580-26530-1	5/27/2011	4.5	<0.0018	<0.0018	<0.0036	<0.0018	<0.0036	<0.0089	<0.0036	<0.0036	<0.0036	<0.027	<0.0089	<0.0036	<0.0018
Wetland Samples																		
E	Wetsoil	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.0019	<0.0019*	<0.0038 *	<0.0019 *	<0.0038	<0.0094 *	<0.0038 *	<0.0038 *	<0.0038 *	<0.028	<0.0094	<0.0038 *	<0.0019 *
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.0012 H	<0.0012 H	<0.0024 H	<0.0012 H	<0.0024 H	<0.0060 H	<0.0024 H	<0.0024 H	<0.0024 H	<0.018 H	<0.0060 H	<0.0024 H	<0.0012 H
	Wetsoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.00091 H	<0.00091 H	<0.0018 H	<0.00091 H	<0.0018 H	<0.0045 H	<0.0018 H	<0.0018 H	<0.0018 H	<0.014 H	<0.0045 H	<0.0018 H	<0.00091 H
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.0013 H	<0.0013 H	<0.0026 H	<0.0013 H	<0.0026 H	<0.0065 H	<0.0026 H	<0.0026 H	<0.0026 H	<0.019 H	<0.0065 H	<0.0026 H	<0.0013 H
	Wetsed	E-wetsed-1-053111	580-26502-1	5/23/2011	0.5	<0.0027	<0.0027	<0.0054	<0.0027	<0.0054	<0.014	<0.0054	<0.0054	<0.054	<0.041	<0.014	<0.0054	<0.0027
		E-wetsed-2-053111	580-26502-1	5/23/2011	0.5	<0.0026	<0.0026	<0.0052	<0.0026	<0.0052	<0.013	<0.0052	<0.0052	<0.0052	<0.039	<0.013	<0.0052	<0.0026
E-wetsed-3-053111		580-26502-1	5/23/2011	0.5	<0.0033	<0.0033	<0.0066	<0.0033	<0.0066	<0.017	<0.0066	<0.0066	<0.0066	<0.050	<0.017	<0.0066	<0.0033	
G	Wetsoil	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.0013 H	<0.0013 H	<0.0025 H	<0.0013 H	<0.0025 H	<0.0064 H	<0.0025 H	<0.0025 H	<0.0025 H	<0.019 H	<0.0064 H	<0.0025 H	<0.0013 H
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.00094	<0.00094	<0.0019	<0.00094	<0.0019	<0.0047	<0.0019	<0.0019	<0.0019	<0.014	<0.0047	<0.0019	<0.00094
FS Work Plan Preliminary Screening Levels						180⁶	6.048⁵	9.144⁵	9.144⁵	7.271⁵	1,600⁶	NE	NE	NE	1,300⁶	NE	NE	NE
CSM Selected Soil Cleanup Levels for COCs⁵						---	---	---	---	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Other Soil Analytes⁸						0.03⁹	6.0⁹	9.0⁹	7.0⁹	5.0⁹	4,000	8,000	8,000	0.02⁹	6,400	NE	8,000	

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.

< denotes analyte not detected at or above the reporting limit listed.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Memo.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Method 8260B.

³ Compound was not retained as a COPC following completion of the 2004 Revised Remedial Investigation Report.

⁴ Identified and retained as a COPC in the June 2004 Remedial Investigation Report.

⁵ Preliminary screening level as identified in the May 2011 Feasibility Study Work Plan.

⁶ Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington

State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values

for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway.

⁷ Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁸ Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation,

Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway,

<https://fortress.wa.gov/ecy/clarc/CLARCDATATables.aspx>, unless otherwise noted. Downloaded October 2018.

⁹ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses,

Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

-- = The initial calibration curve was outside acceptance criteria for carbon disulfide and the result was not reported.

* = ISTD response or retention time outside acceptable limits.

COC = constituent of concern

COPC = constituent of potential concern

CSM = Conceptual Site Model

FS = Feasibility Study

H = Sample was prepped or analyzed beyond specified holding time.

MEK = 2 butanone

NE = not established

PCE = tetrachloroethene

TCE = trichloroethene

VOCs = volatile organic compounds

Table 2
Soil Analytical Results for Volatile Organic Compounds
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²											
						Acetone ³	1,2,4-Trimethylbenzene ³	1,3,5-Trimethylbenzene ³	Carbon Disulfide ³	1,2-Dichloropropane ⁴	MEK ³	Chloroform ³	PCE ⁴	TCE ⁴	1,1-Dichloroethene ³	(cis) 1,2-Dichloroethene ⁴	tert-Butylbenzene ³
Soil Samples																	
B	1	B-TP1-052611-6.0	580-26451-1	5/26/2011	6.0	<0.019 H	<0.0025 H	<0.0062 H	<0.0012 H	<0.0012 H	<0.0062 H	<0.0012 H	<0.0012 H	<0.0012 H	<0.0062 H	<0.0012 H	<0.0025 H
		B-TP1-052611-6.5	580-26451-1	5/26/2011	6.5	<0.013	<0.0018	<0.0044	<0.00088	<0.00088	<0.0044	<0.00088	<0.00088	<0.00088	<0.00088	<0.0044	<0.00088
	2	B-TP2-052611-5.5	580-26451-1	5/26/2011	5.5	0.036	<0.0019	<0.0048	<0.00096	<0.00096	0.0055	<0.00096	<0.00096	<0.00096	<0.00096	<0.0048	<0.00096
	3	B-TP3-052611-5.5	580-26451-1	5/26/2011	5.5	<0.014	<0.0019	<0.0047	<0.00094	<0.00094	<0.0047	<0.00094	<0.00094	<0.00094	<0.0047	<0.00094	<0.0019
H	1	H-TP1-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.014	<0.0019	<0.0047	<0.00094	<0.00094	<0.0047	<0.00094	<0.00094	<0.00094	<0.0047	<0.00094	<0.0019
		H-TP1-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<0.016	<0.0021	<0.0053	<0.0011	<0.0011	<0.0053	<0.0011	<0.0011	<0.0011	<0.0053	<0.0011	<0.0021
	2	H-TP2-052611-1.0-1.5	580-26451-1	5/26/2011	1.5	<0.016	<0.0022	<0.0055	<0.0011	<0.0011	<0.0055	<0.0011	<0.0011	<0.0011	<0.0055	<0.0011	<0.0022
		H-TP2-052611-2.0-2.5	580-26451-1	5/26/2011	2.5	<0.017 H	<0.0023 H	<0.0057 H	<0.0011 H	<0.0011 H	<0.0057 H	<0.0011 H	<0.0011 H	0.0020 H	<0.0057 H	<0.0011 H	<0.0023 H
	3	H-TP3-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.017 H	<0.0022 H	<0.0056 H	<0.0011 H	<0.0011 H	<0.0056 H	<0.0011 H	<0.0011 H	<0.0011 H	<0.0056 H	<0.0011 H	<0.0022 H
		H-TP3-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<0.014	<0.0019	<0.0047	<0.00093	<0.00093	<0.0047	<0.00093	<0.00093	<0.00093	<0.0047	<0.00093	<0.0019
I	3	I-TP3-052411-3.0	580-26377-1	5/24/2011	3.0	0.390	0.760 H	0.15	--	<0.00099	0.068	<0.00099	<0.0099	<0.00099	<0.0050	<0.00099	0.032
		I-TP3-052411-7.5	580-26377-1	5/24/2011	7.5	0.029	0.140	0.023	--	<0.00095	0.065	<0.00095	<0.0095	<0.00095	<0.0047	<0.00095	0.022
	4	I-TP4-052711-2.5	580-26530-1	5/27/2011	2.5	<0.017	<0.0023	<0.0056	<0.0011	<0.0011	<0.0056	<0.0011	<0.0011	<0.0011	<0.0056	<0.0011	<0.0023
		I-TP4-052711-8.0	580-26530-1	5/27/2011	8.0	<0.017	<0.0023	<0.0057	<0.0011	<0.0011	<0.0057	<0.0011	<0.0011	<0.0011	<0.0057	<0.0011	<0.0023
	5	I-TP5-052711-4.5	580-26530-1	5/27/2011	4.5	<0.021	<0.0029	<0.0072	<0.0014	<0.0014	<0.0072	<0.0014	<0.0014	<0.0014	<0.0072	<0.0014	<0.0029
	6	I-TP6-052711-4.5	580-26530-1	5/27/2011	4.5	<0.027	<0.0036	<0.0089	0.0019	<0.0018	<0.0089	<0.0018	<0.0018	<0.0018	<0.0089	<0.0018	<0.0036
Wetland Samples																	
E	Wetsoil	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	0.094	<0.0038 *	<0.0094 *	0.0064	<0.0019	0.010	<0.0019	<0.0019	<0.0019	<0.0094	<0.0019	<0.0038 *
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.018 H	<0.0024 H	<0.0060 H	<0.0012 H	<0.0012 H	<0.0060 H	<0.0012 H	<0.0012 H	<0.0012 H	<0.0060 H	<0.0012 H	<0.0024 H
	Wetsoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	0.029 H	<0.0018 H	<0.0045 H	0.0010 H	<0.00091 H	<0.0045 H	<0.00091 H	<0.00091 H	<0.00091 H	<0.0045 H	<0.00091 H	<0.0018 H
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	0.038 H	<0.0026 H	<0.0065 H	<0.0013 H	<0.0013 H	<0.0065 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0065 H	<0.0013 H	<0.0026 H
	Wetsed	E-wetsed-1-053111	580-26502-1	5/23/2011	0.5	0.082	<0.0054	<0.014	<0.0027	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.014	<0.0027	<0.0054
		E-wetsed-2-053111	580-26502-1	5/23/2011	0.5	<0.039	<0.0052	<0.013	0.0032	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.013	<0.0026	<0.0052
E-wetsed-3-053111		580-26502-1	5/23/2011	0.5	0.110	<0.0066	<0.017	<0.0033	<0.0033	0.025	<0.0033	<0.0033	<0.0033	<0.017	<0.0033	<0.0066	
G	Wetsoil	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.019 H	<0.0025 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0064 H	<0.0013 H	<0.0013 H	<0.0064 H	<0.0013 H	<0.0025 H	
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.014	<0.0019	<0.0047	<0.00094	<0.00094	<0.0047	<0.00094	<0.00094	<0.00094	<0.0047	<0.00094	<0.0019
FS Work Plan Preliminary Screening Levels						3.21⁵	NE	NE	5.651⁵	0.00305⁵	22⁵	164⁵	0.05303⁵	0.02631⁵	0.0005216⁵	0.35⁵	NE
CSM Selected Soil Cleanup Levels for COCs⁵						---	---	---	---	0.025	---	---	0.050	0.025	0.046	0.078	---
MTCA Cleanup Levels for Other Soil Analytes⁸						72,000	NE	800	8,000	---	48,000	32.3	---	---	---	---	8,000

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.
 < denotes analyte not detected at or above the reporting limit listed.
 --- denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Memo.
¹ Depth in feet below ground surface.
² Analyzed by U.S. Environmental Protection Agency Method 8260B.
³ Compound was not retained as a COPC following completion of the 2004 Revised Remedial Investigation Report.
⁴ Identified and retained as a COPC in the June 2004 Remedial Investigation Report.
⁵ Preliminary screening level as identified in the May 2011 Feasibility Study Work Plan.
⁶ Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway.
⁷ Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.
⁸ Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDATATables.aspx>, unless otherwise noted. Downloaded October 2018.
⁹ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

-- = The initial calibration curve was outside acceptance criteria for carbon disulfide and the result was not reported.
 * = ISTD response or retention time outside acceptable limits.
 COC = constituent of concern
 COPC = constituent of potential concern
 CSM = Conceptual Site Model
 FS = Feasibility Study
 H = Sample was prepped or analyzed beyond specified holding time.
 MEK = 2 butanone
 NE = not established
 PCE = tetrachloroethene
 TCE = trichloroethene
 VOCs = volatile organic compounds

Table 3
Soil Analytical Results for Metals
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

DRAFT - Issued for Client Review

Grid	Test Pit	Sample Identification	Laboratory Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²								
						Antimony ³	Arsenic ³	Cadmium ⁴	Copper ³	Lead ³	Manganese ³	Mercury ⁴	Zinc ³	
Soil Samples														
A	1	A-TP1-052711-5.0	580-26530-1	5/27/2011	5.0	<2.9	<2.9	<0.49	24	6.3	170	0.035	830	
	2	A-TP2-052711-5.0	580-26530-1	5/27/2011	5.0	<3.1	<3.1	<0.51	23	5.9	310	0.26	54	
B	2	B-TP2-052611-5.5	580-26451-1	5/26/2011	5.5	<2.9	<2.9	<0.48	24	4.6	210	0.052	56	
	3	B-TP3-052611-5.5	580-26451-1	5/26/2011	5.5	<2.7	<2.7	<0.45	20	13	330	0.053	69	
C	1	C-TP1-052611-5.0	580-26451-1	5/26/2011	5.0	<3.5	<3.5	<0.58	29	5.8	280	0.088	69	
	2	C-TP2-052611-8.0	580-26451-1	5/26/2011	8.0	<2.9	<2.9	0.95	25	41	240	0.09	610	
	3	C-TP3-052611-4.5	580-26451-1	5/26/2011	4.5	<3.1	<3.1	<0.51	23	5.2	340	0.05	58	
D	1	D-TP1-052511-4.5	580-26451-1	5/25/2011	4.5	<3.5	<3.5	<0.59 L	27	20	370	0.1	340	
	2	D-TP2-052511-5.5	580-26451-1	5/25/2011	5.5	<5.3	<5.3	88	74	1,000	410	0.43	7,000	
	3	D-TP3-052611-4.5	580-26451-1	5/26/2011	4.5	<2.9	<2.9	<0.49	24	13	330	0.041	260	
E	1	E-TP1-052511-4.5	580-26451-1	5/25/2011	4.5	<2.5 L	<2.5	8.8	19	27	570	0.041	2,200	
	2	E-TP2-052511-3.0	580-26451-1	5/25/2011	3.0	<2.7 L	<2.7	6.2	28	100	480	0.087	2,400	
G	1	G-TP1-052511-0.0-0.5	580-26451-1	5/25/2011	0.5	<2.8 L	8.6	1.3	19	27	540	0.19	61	
		G-TP1-052511-2.0-2.5	580-26451-1	5/25/2011	2.5	<3.3 L	7.6	1.6	25	44	550	2.4	150	
	2	G-TP2-052511-0.0-0.5	580-26451-1	5/25/2011	0.5	<3.7	5.2	1.3	25	31	510	0.07	80	
		G-TP3-052511-0.0-0.5	580-26451-1	5/25/2011	0.5	<3.3 L	4.4	1.7	28	30	530	0.055	100	
H	1	H-TP1-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	3.3	<2.7	1.0	360	72	440	0.048	270	
		H-TP1-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<2.8	7.1	<0.46	23	36	420	0.086	82	
	2	H-TP2-052611-1.0-1.5	580-26451-1	5/26/2011	1.5	<2.7	4.1	1.1	39	110	460	0.13	350	
		H-TP2-052611-2.0-2.5	580-26451-1	5/26/2011	2.5	<3.3	<3.3	<0.55	24	84	530	0.19	200	
	3	H-TP3-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<2.5	4.3	0.76	25	42	400	0.054	150	
		H-TP3-052611-3.5-4.0	580-26451-1	5/26/2011	4.0	<2.8	<2.8	1.1	100	170	360	0.053	210	
	I	3	I-TP3-052411-0.0-0.5	580-26377-1	5/24/2011	0.5	<2.1	<2.9	<0.49	41	67	560	0.14	210
			I-TP3-052411-1.5	580-26377-1	5/24/2011	1.5	3.6	8.2	<0.51	53	370	380	0.40	570
I-TP3-052411-3.0			580-26377-1	5/24/2011	3.0	3.2	<3.0	0.82	160	730	390	0.38	870	
J	1	J-TP1-052411-0.0-0.5	580-26377-1	5/24/2011	0.5	2.9	<2.9	<0.48	57	50	380	0.25	190	
	2	J-TP2-052411-0.0-0.5	580-26377-1	5/24/2011	0.5	7.1	<3.1	1.4	74	410	520	0.38	790	
	3	J-TP3-052511-1.5-2.0	580-26451-1	5/25/2011	2.0	<2.8	8.5	0.48	29	600	300	0.17	480	
M	1	M-TP1-052511-0.0-0.5	580-26451-1	5/25/2011	0.5	<3.1	6.2	2.8	1,300	130	550	0.07	120	
		M-TP1-052511-3.0-3.5	580-26451-1	5/25/2011	3.5	<3.7	4.4	<0.62 L	23	13	430	0.095	37	
	2	M-TP2-052511-0.0-0.5	580-26451-1	5/25/2011	0.5	<3.0	5.3	1.4	67	160	420	0.26	490	
N	1	N-TP1-052411-0.0-0.5	580-26377-1	5/24/2011	0.5	<3.3	4.9	<0.54 L	25	40	500	0.096	97	
FS Work Plan Preliminary Screening Levels						32⁵	20⁵	2.0⁵	2,960⁵	1,000⁵	11,000⁶	2⁵	24,000⁵	
CSM Selected Soil Cleanup Levels for COCs⁷						5.42	2.92	0.69	284	220	---	2.09	570	
MTCA Cleanup Levels for Other Soil Analytes⁸						---	---	---	---	---	11,200	---	---	

**Table 3
Soil Analytical Results for Metals
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Grid	Test Pit	Sample Identification	Laboratory Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²							
						Antimony ³	Arsenic ³	Cadmium ⁴	Copper ³	Lead ³	Manganese ³	Mercury ⁴	Zinc ³
Wetland Samples													
E	WetSoil	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<5.1	<5.1	3.7	39	110	190	0.14	1,700
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<2.4	<2.4	<0.40	17	4.2	160	0.043	310
	WetSoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<3.4	<3.4	1.6	19	19	250	0.071	670
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<3.0	<3.0	1.8	20	4.4	270	0.059	870
	Wetsed	E-wetsed-1-053111	580-26360-1	5/23/2011	0.5	<5.8	<5.8	9.2	36	190	210	—	2,700
		E-wetsed-2-053111	580-26360-1	5/23/2011	0.5	<6.9	7.6	6.8	41	150	220	—	2,800
E-wetsed-3-053111		580-26360-1	5/23/2011	0.5	<6.1	8.5	7.8	52	180	270	—	2,700	
G	WetSoil	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<2.4	<2.4	<0.40	16	3.5	210	0.044	41
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<4.2	<4.2	1.5	40	80	470	0.14	510
FS Work Plan Preliminary Screening Levels						32⁵	20⁵	2.0⁵	2,960⁵	1,000⁵	11,000⁶	2⁵	24,000⁵
CSM Selected Soil Cleanup Levels for COCs⁷						5.42	2.92	0.69	284	220	---	2.09	570
MTCA Cleanup Levels for Other Soil Analytes⁸						---	---	---	---	---	11,200	---	---
CSM Selected Sediment Cleanup Levels for COCs⁷						NE	14	2.10	400	360	---	0.66	3,200

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

— = denotes sample not analyzed

< denotes analyte not detected at or above the laboratory reporting limit listed.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Memo.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Methods 6000/6010/7000 Series.

³ Constituent was not retained as a COPC following completion of the June 2004 Revised Remedial Investigation Report.

⁴ Identified and retained as COPC in June 2004 Revised Remedial Investigation Report.

⁵ Preliminary screening level as identified in the May 2011 Feasibility Study Work Plan.

⁶ Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway.

⁷ Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁸ Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDatatables.aspx>. Downloaded October 2018.

COC = constituent of concern

COPC = constituent of potential concern

CSM = Conceptual Site Model

FS = Feasibility Study

L = A negative instrument reading had an absolute value greater than the reporting limit.

Table 4
Soil Analytical Results for Pesticides
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

DRAFT - Issued for Client Review

Grid	Test Pit	Lab Report	Sample Identification	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²												
						Aldrin ³	Alpha Chlordane ⁴	4,4'-DDD ⁴	4,4'-DDE ⁴	4,4'-DDT ³	Dieldrin ⁴	Endosulfan Sulfate ³	Endrin ⁴	Heptachlor Epoxide ⁴	Endrin Aldehyde ³	Gamma Chlordane ³	Heptachlor ³	Endosulfan II
Soil Samples																		
A	1	580-26530-1	A-TP1-052711-5.0	5/27/2011	5.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023
	2	580-26530-1	A-TP2-052711-5.0	5/27/2011	5.0	<0.0012	<0.0012	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023	<0.0023	<0.0012	<0.0023	<0.0012	<0.0012	<0.0023
B	2	580-26451-1	B-TP2-052611-5.5	5/26/2011	5.5	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023	
	3	580-26451-1	B-TP3-052611-5.5	5/26/2011	5.5	<0.0012	<0.0012	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0012	<0.0024	<0.0012	<0.0012	<0.0024	
C	1	580-26451-1	C-TP1-052611-5.0	5/26/2011	5.0	<0.0012	<0.0012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0012	<0.0025	<0.0012	<0.0012	<0.0025	
	2	580-26451-1	C-TP2-052611-8.0	5/26/2011	8.0	<0.0012	<0.0012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0012	<0.0025	<0.0012	<0.0012	<0.0025	
	3	580-26451-1	C-TP3-052611-4.5	5/26/2011	4.5	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023	
D	1	580-26451-1	D-TP1-052511-4.5	5/25/2011	4.5	<0.0013	<0.0013	<0.0025	<0.0025	<0.0025 ^	<0.0025	<0.0025 ^	<0.0013	<0.0025 ^	<0.0013	<0.0013	<0.0025 ^	
	2	580-26451-1	D-TP2-052511-5.5	5/25/2011	5.5	<0.0018	<0.0018	<0.0036	<0.0036	<0.0036 ^	<0.0036	<0.0036 ^	<0.0018	<0.0036 ^	<0.0018	<0.0018	<0.0036 ^	
	3	580-26451-1	D-TP3-052611-4.5	5/26/2011	4.5	<0.0012	<0.0012	<0.0024	0.0048	<0.0024	<0.0024	<0.0024	<0.0012	<0.0024	<0.0012	<0.0012	<0.0024	
G	1	580-26451-1	G-TP1-052511-0.0-0.5	5/25/2011	0.5	<0.0011 H	<0.0011 H	<0.0022 H	0.0073 H	0.0062 H^	<0.0022 H	<0.0022 H	0.0066 H	<0.0011 H	<0.0022 H	0.0018 H	<0.0011 H	<0.0022 H
			G-TP1-052511-2.0-2.5	5/25/2011	2.5	<0.0011 H	<0.0011 H	0.010 H	0.061 H	0.0036 H^	<0.0022 H	<0.0022 H	0.0044 H	<0.0011 H	<0.0022 H	<0.0011 H	<0.0022 H	
	2	580-26451-1	G-TP2-052511-0.0-0.5	5/25/2011	0.5	<0.0012 H	0.0050 H	0.0035 H	0.059 H	0.0082 H^	0.039 H	<0.0024 H	<0.0024 H	<0.0012 H	<0.0024 H	0.0029 H	<0.0012 H	<0.0024 H
			G-TP2-052511-2.0-2.5	5/25/2011	2.5	<0.0011 H	<0.0011 H	0.0065 H	0.032 H	<0.0022 H^	<0.0022 H	<0.0022 H	<0.0011 H	<0.0022 H	<0.0011 H	<0.0022 H	<0.0011 H	<0.0022 H
	3	580-26451-1	G-TP3-052511-0.0-0.5	5/25/2011	0.5	<0.0011 H	<0.0011 H	<0.0022 H	<0.0022 H	<0.0022 H^	<0.0022 H	<0.0022 H	<0.0022 H	<0.0011 H	<0.0022 H	<0.0011 H	<0.0011 H	<0.0022 H
			G-TP3-052511-3.5-4.0	5/25/2011	4.0	<0.0011	<0.0011	0.0038	0.0087	0.0075 ^	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011 ^	0.031
H	1	580-26451-1	H-TP1-052611-0.0-0.5	5/26/2011	0.5	<0.0011	<0.0011	<0.0021	0.0075	0.012 ^	<0.0021 ^	<0.0021 ^	<0.0021	<0.0011	<0.0021 ^	<0.0011	<0.0011	<0.0021 ^
			H-TP1-052611-3.5-4.0	5/26/2011	4.0	<0.0012	0.0017	0.0064	0.022	0.0055 ^	<0.0023	<0.0023 ^	<0.0023	<0.0012	<0.0023 ^	0.0019	<0.0012	<0.0023 ^
	2	580-26451-1	H-TP2-052611-1.0-1.5	5/26/2011	1.5	<0.0011	0.0028	<0.0021	0.013	0.026 ^	0.0040	<0.0021 ^	<0.0021	<0.0011	<0.0021 ^	0.0019	<0.0011	<0.0021 ^
			H-TP2-052611-2.0-2.5	5/26/2011	2.5	<0.0012	<0.0012	<0.0024	0.0056	0.0045 ^	<0.0024	<0.0024 ^	<0.0024	<0.0012 ^	<0.0024 ^	<0.0012	<0.0012	<0.0024
	3	580-26451-1	H-TP3-052611-0.0-0.5	5/26/2011	0.5	<0.0010	0.0032	0.0030	0.0044	0.0031	0.0030	<0.0021	<0.0021	<0.0010	<0.0021	0.0038	<0.0010	<0.0021
			H-TP3-052611-3.5-4.0	5/26/2011	4.0	<0.0011	<0.0011	0.0065	0.0042	<0.0022	<0.0022	<0.0022	<0.0022	<0.0011	<0.0022	<0.0011	<0.0011	<0.0022
I	1	580-26377-1	I-TP1-052411-0.0-0.5	5/24/2011	0.5	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023 ^	<0.0023	<0.0011	<0.0023 ^	<0.0011	<0.0011	<0.0023 ^
			I-TP1-052411-6.0	5/24/2011	6.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023
	2	580-26377-1	I-TP2-052411-0.0-0.5	5/24/2011	0.5	<0.0010	<0.0010	<0.0020	0.0037	0.0035 ^	<0.0020	<0.0020 ^	<0.0020	<0.0010	<0.0020 ^	<0.0010	<0.0010	<0.0020
			I-TP2-052411-2.0-2.5	5/24/2011	2.5	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023 ^	<0.0023	<0.0011	<0.0023 ^	<0.0011	<0.0011	<0.0023
	3	580-26377-1	I-TP3-052411-0.0-0.5	5/24/2011	0.5	<0.0010	<0.0010	0.0052	0.0052	0.0022 ^	<0.0020	<0.0020 ^	<0.0020	<0.0010	<0.0020 ^	<0.0010	<0.0010	<0.0020
			I-TP3-052411-1.5	5/24/2011	1.5	<0.0011	<0.0011	0.028 P	<0.0022	<0.0022 ^	<0.0022	<0.0022 ^	<0.0022	<0.0011	<0.0022 ^	<0.0011	<0.0011	<0.0022
J	1	580-26377-1	J-TP1-052411-0.0-0.5	5/24/2011	0.5	<0.0010	<0.0010	0.0024	0.010	<0.0021 ^	<0.0021	<0.0021 ^	<0.0021	<0.0010	<0.0021 ^	<0.0010	<0.0010	<0.0021 ^
			J-TP1-052411-3.0-3.5	5/24/2011	3.5	<0.0016	<0.0016	<0.0033	<0.0033	<0.0033 ^	<0.0033	<0.0033 ^	<0.0033	<0.0016	<0.0033 ^	<0.0016	<0.0016	<0.0033 ^
	2	580-26377-1	J-TP2-052411-0.0-0.5	5/24/2011	0.5	<0.0011	<0.0011	<0.0021	0.024	0.030 ^	<0.0021	<0.0021 ^	0.0028	<0.0011	<0.0021 ^	<0.0011	<0.0011	<0.0021
			J-TP2-052411-2.0-2.5	5/24/2011	2.5	<0.0010 ^	0.0030 P^	<0.0021	0.0050 ^	0.022 P^	<0.0021 ^	<0.0021 ^	<0.0021	<0.0010	<0.0021 ^	0.0038 P^	<0.0010	<0.0021 ^
	3	580-26451-1	J-TP3-052511-0.5-1.0	5/25/2011	1.0	<0.0010	<0.0010	<0.0020	<0.0020	<0.0020 ^	<0.0020	<0.0020 ^	<0.0020	<0.0010	<0.0020 ^	<0.0010	<0.0010	<0.0020 ^
			J-TP3-052511-3.5-4.0	5/25/2011	4.0	<0.0016	<0.0016	<0.0032	<0.0032	<0.0032 ^	<0.0032	<0.0032 ^	<0.0032	<0.0016	<0.0032 ^	<0.0016	<0.0016	<0.0032 ^
K	1	580-26377-1	K-TP1-052311-0.0-0.5	5/23/2011	0.5	<0.0011	<0.0011	<0.0022	0.0091	0.013 ^	0.0029	<0.0022 ^	<0.0022	<0.0011	<0.0022 ^	<0.0011	<0.0011	<0.0022 ^
			K-TP1-052311-2.0-2.5	5/23/2011	2.5	<0.0011	0.0086 P	<0.0022	<0.0022	<0.0022 ^	<0.0022	<0.0022 ^	<0.0022	<0.0011	<0.0022 ^	0.0095	<0.0011	<0.0022 ^
	2	580-26377-1	K-TP2-052311-1.0-1.5	5/23/2011	1.5	<0.0010	<0.0010	<0.0021	<0.0021	<0.0021 ^	<0.0021	<0.0021 ^	<0.0021	<0.0010	<0.0021 ^	<0.0010	<0.0010	<0.0021 ^
			K-TP2-052311-3.5-4.0	5/23/2011	4.0	<0.0012	<0.0012	<0.0023	<0.0023	<0.0023 ^	<0.0023	<0.0023 ^	<0.0023	<0.0012	<0.0023 ^	<0.0012	<0.0012	<0.0023 ^
	3	580-26377-1	K-TP3-052311-0.0-0.5	5/23/2011	0.5	<0.0010	<0.0010	<0.0021	0.0081	0.0038 ^	<0.0021	<0.0021 ^	<0.0021	<0.0010	<0.0021 ^	<0.0010	<0.0010	<0.0021 ^
			K-TP3-052311-2.0-2.5	5/23/2011	2.5	<0.0011	0.036 P	0.0051 P	0.0087	0.022 ^	0.0055 ^P	<0.0021 ^	<0.0021	0.0016 P	<0.0021 ^	0.041 P	<0.0011	<0.0021 ^
FS Work Plan Preliminary Screening Levels						0.00503⁵	0.2576⁵	0.3354⁵	0.4459⁵	3.485⁵	0.002817⁵	4.301⁵	0.0404⁵	0.01605⁵	NE	NE	0.22⁶	4,301⁵
CSM Selected Soil Cleanup Levels for COCs⁷						0.0025	2.06	0.34	0.45	---	0.0028	---	0.4	0.08	---	---	---	---
MTCA Cleanup Levels for Other Soil Analytes⁸						---	---	---	---	3.0	---	480	---	---	NE	2.06	0.222	480

Table 4
Soil Analytical Results for Pesticides
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Lab Report	Sample Identification	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²												
						Aldrin ³	Alpha Chlordane ⁴	4,4'-DDD ⁴	4,4'-DDE ⁴	4,4'-DDT ³	Dieldrin ⁴	Endosulfan Sulfate ⁵	Endrin ⁴	Heptachlor Epoxide ⁴	Endrin Aldehyde ³	Gamma Chlordane ⁵	Heptachlor ³	Endosulfan II
L	1	580-26377-1	L-TP1-052311-0.0-0.5	5/23/2011	0.5	<0.0011	<0.0011	<0.0021	<0.0021	<0.0021 ^	<0.0021	<0.0021 ^	<0.0021	<0.0011	<0.0021 ^	<0.0011	<0.0011	<0.0021 ^
			L-TP1-052311-3.0-3.5	5/23/2011	3.5	<0.0043	<0.0043	<0.0085	<0.0085	<0.0085 ^	<0.0085	<0.0085 ^	<0.0085	<0.0043	<0.0085 ^	<0.0043	<0.0043	<0.0085 ^
	2	580-26377-1	L-TP2-052311-0.0-0.5	5/23/2011	0.5	<0.0011	0.0029 P	0.0044	0.0059	0.013 ^	0.0029	<0.0021 ^	<0.0021	0.0024 P	<0.0021 ^	0.0027 P	<0.0011	0.0036 ^
			L-TP2-052311-2.0-2.5	5/23/2011	2.5	<0.0011	0.0017 P	0.0030	0.0035	0.0032 ^	<0.0021	<0.0021 ^	<0.0021	<0.0011	<0.0021 ^	0.0017	<0.0011	<0.0021 ^
	3	580-26377-1	L-TP3-052411-0.0-0.5	5/24/2011	0.5	<0.0010	0.013	0.0050	0.028	0.0041 ^	<0.0020	<0.0020 ^	0.0026	0.0023 P	<0.0020 ^	0.012	<0.0010	<0.0020 ^
			L-TP3-052511-2.0-2.5	5/24/2011	2.5	<0.0010	<0.0010	<0.0021	<0.0021	<0.0021 ^	<0.0021	<0.0021 ^	<0.0021	<0.0010	<0.0021 ^	<0.0010	<0.0010	<0.0021 ^
M	1	580-26451-1	M-TP1-052511-0.0-0.5	5/25/2011	0.5	<0.0011	<0.0011	0.0029	0.025	0.014 ^	<0.0022	<0.0022	<0.0022	<0.0011	<0.0022	<0.0011	<0.0011 ^	<0.0022
			M-TP1-052511-3.0-3.5	5/25/2011	3.5	<0.0012	<0.0012	<0.0024	0.0034	<0.0024 ^	<0.0024	<0.0024	<0.0024	<0.0012	<0.0024	<0.0012	<0.0012 ^	<0.0024
	2	580-26451-1	M-TP2-052511-0.0-0.5	5/25/2011	0.5	<0.0010	<0.0010	<0.0020	0.0035	0.019 ^	<0.0020	<0.0020 ^	<0.0020	<0.0010	<0.0020 ^	<0.0010	<0.0010	<0.0020 ^
			M-TP2-052511-3.5-4.0	5/25/2011	4.0	0.0054	0.0018 P	0.0049	0.0089	0.0038 ^	0.014	<0.0026 ^	<0.0026	<0.0013	<0.0026 ^	0.0022	<0.0013	<0.0026 ^
N	1	580-26377-1	N-TP1-052411-0.0-0.5	5/24/2011	0.5	<0.0011 ^	<0.0011 ^	<0.0022	<0.0022 ^	0.0046 ^	<0.0022 ^	<0.0022 ^	<0.0022	<0.0011	<0.0022 ^	<0.0011 ^	<0.0011	<0.0022 ^
			N-TP1-052411-2.0-2.5	5/24/2011	2.5	<0.0011	<0.0011	<0.0021	0.0024	0.0029 ^	<0.0021	<0.0021 ^	<0.0021	<0.0011	<0.0021 ^	<0.0011	<0.0011	<0.0021
FS Work Plan Preliminary Screening Levels						0.00503⁵	0.2576⁵	0.3354⁵	0.4459⁵	3.485⁵	0.002817⁵	4.301⁵	0.0404⁵	0.01605⁵	NE	NE	0.22⁶	4,301⁵
CSM Selected Soil Cleanup Levels for COCs⁷						0.0025	2.06	0.34	0.45	---	0.0028	---	0.4	0.08	---	---	---	---
MTCA Cleanup Levels for Other Soil Analytes⁸						---	---	---	---	3.0	---	480	---	---	NE	2.06	0.222	480

Table 4
Soil Analytical Results for Pesticides
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Lab Report	Sample Identification	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²												
						Aldrin ³	Alpha Chlordane ⁴	4,4'-DDD ⁴	4,4'-DDE ⁴	4,4'-DDT ³	Dieldrin ⁴	Endosulfan Sulfate ³	Endrin ⁴	Heptachlor Epoxide ⁴	Endrin Aldehyde ³	Gamma Chlordane ³	Heptachlor ³	Endosulfan II
Wetland Samples																		
E	WetSoil	580-26451-1	E-wetsoil-052611-0.0-0.5	5/26/2011	0.5	<0.0019	<0.0019	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0038
			E-wetsoil-052611-0.5-1.0	5/26/2011	1.0	<0.0011	<0.0011	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0011	<0.0022	<0.0011	<0.0011
	WetSoil-2	580-26451-1	E-wetsoil-2-052611-0.5-1.0	5/26/2011	1.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023
			E-wetsoil-2-052611-1.0-2.0	5/26/2011	2.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023
	Wetsed	580-26360-1	E-wetsed-1-053111	5/23/2011	0.5	<0.0021 H	<0.0021 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0021 H*	<0.0042 H	<0.0021 H	<0.0021 H	<0.0042 H
			E-wetsed-2-053111	5/23/2011	0.5	<0.0022 H	<0.0022 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0022 H*	<0.0044 H	<0.0022 H	<0.0022 H	<0.0044 H
E-wetsed-3-053111			5/23/2011	0.5	<0.0023 H	<0.0023 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0023 H*	<0.0047 H	<0.0023 H	<0.0023 H	<0.0047 H	
G	WetSoil	580-26451-1	G-wetsoil-052611-0.0-0.5	5/26/2011	0.5	<0.0012	<0.0012	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0012	<0.0024	<0.0012	<0.0012	<0.0024	
			G-wetsoil-052611-1.0-2.0	5/26/2011	2.0	<0.0016	<0.0016	<0.0031	<0.0031	<0.0031	<0.0031	<0.0031	<0.0031	<0.0016	<0.0031	<0.0016	<0.0016	<0.0031
FS Work Plan Preliminary Screening Levels						0.00503⁵	0.2576⁵	0.3354⁵	0.4459⁵	3.485⁵	0.002817⁵	4.301⁵	0.0404⁵	0.01605⁵	NE	NE	0.22⁶	4,301⁵
CSM Selected Soil Cleanup Levels for COCs⁷						0.0025	2.06	0.34	0.45	---	0.0028	---	0.4	0.08	---	---	---	---
MTCA Cleanup Levels for Other Soil Analytes⁸						---	---	---	---	3.0	---	480	---	---	NE	2.06	0.222	480
CSM Selected Sediment Cleanup Levels for COCs⁷						---	---	0.31	---	---	0.0049	---	0.0085	---	---	---	---	---

NOTES:

Results in **bold** denote concentrations at or above the Preliminary Screening Level indicated.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes analyte not detected at or above the reporting limit listed.

--- denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Memo.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Method 8081.

³ Compound was not retained as a COPC following completion of the June 2004 Revised Remedial Investigation.

⁴ Identified and retained as a COPC in the June 2004 Revised Remedial Investigation Report.

⁵ Preliminary screening level as identified in the May 2011 Feasibility Study Work Plan.

⁶ Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway.

⁷ Cleanup level identified in Table 1 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁸ Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/CLARCDatatables.aspx>. Downloaded October 2018.

^ = Instrument-related quality control exceeds the control limits.

* = Response or retention time outside acceptable limits.

COC = constituent of concern

COPC = constituent of potential concern

CSM = Conceptual Site Model

FS = Feasibility Study

H = Sample was prepped or analyzed beyond the specified holding time.

NE = Not established

P = The analyte was detected on both chromatographic columns, but the quantified values differ by ≥40 percent relative percent difference with no obvious chromatographic interference.

Table 5
Summary Groundwater Elevation Data
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

DRAFT - Issued for Client Review

Well Number	Date Measured	Well Elevation ¹	Depth to Water (bgs)	Groundwater Elevation
MW-1	12/3/1997	1002.88	4.41	998.47
	3/3/1998		5.78	997.10
	6/3/1998		4.60	998.28
	9/2/1998		2.52	1,000.36
	12/3/2002		4.91	997.97
	6/1/2011		5.79	997.09
MW-2	12/3/1997	1002.59	5.15	997.44
	3/3/1998		6.75	995.84
	6/3/1998		5.46	997.13
	9/2/1998		3.36	999.23
	12/4/2002		5.86	996.73
	6/1/2011		6.93	995.66
MW-3	12/3/1997	1000.81	4.18	996.63
	3/3/1998		5.65	995.16
	6/3/1998		4.64	996.17
	9/2/1998		2.57	998.24
	12/4/2002		4.92	995.89
	6/1/2011		6.00	994.81
MW-4	12/3/1997	1000.82	4.56	996.26
	3/3/1998		6.02	994.80
	6/3/1998		5.02	995.80
	9/2/1998		3.03	997.79
	12/4/2002		5.36	995.46
	6/1/2011		6.45	994.37
MW-5	12/3/1997	1001.45	4.92	996.53
	3/3/1998		6.49	994.96
	6/3/1998		5.28	996.17
	9/2/1998		3.35	998.10
	12/4/2002		5.72	995.73
MW-6	12/3/1997	1002.28	5.23	997.05
	3/3/1998		6.78	995.50
	6/3/1998		5.56	996.72
	9/2/1998		3.50	998.78
	12/4/2002		5.94	996.34
	6/1/2011		7.06	995.22
WDOE-6	12/3/1997	1002.27	--	--
	3/3/1998		5.51	996.76
	6/3/1998		4.29	997.98
	9/2/1998		2.20	1,000.07
	12/3/2002		4.55	997.72
	6/1/2011		5.50	996.77
MW-7A	12/3/2002	999.96	5.57	994.39
	6/1/2011		6.83	993.13
MW-7B	12/3/2002	999.82	5.75	994.07
	6/1/2011		6.95	992.87
MW-10	6/1/2011	1002.99	7.31	995.68
MW-11	6/1/2011	1000.51	6.75	993.76

NOTES:

¹Based on survey relative to City of Yakima NAVD29.

bgs = below ground surface

-- = not measured

**Table 6
Groundwater Analytical Results for Volatile Organic Compounds
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Location	Lab Report	Sample Date	Analytical Results (micrograms per liter) ¹												
			PCE ³	TCE ³	cis 1,2-DCE ³	trans 1,2-DCE ²	Vinyl Chloride ³	1,1,1-TCA ²	1,1-DCA ²	MEK ²	Acetone ²	1,2-dichloropropane ³	Chloroform ²	Chloromethane ³	
MW-1	580-26540-1	12/3/1997	3.64	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	3.39	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		6/3/1998	6.5	1.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.12	<1.0	
		9/2/1998	4.22	0.71	0.25	<1.0	<1.0	<1.0	0.15	<1.0	<1.0	<20	<1.0	1.88	<1.0
		12/3/2002	6.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0
		6/2/2011	3.2	0.31	0.10	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<2.0	<0.10	2.2	<0.10
MW-2	580-26520-1	12/3/1997	<1.0	1.51	12.4	<1.0	2.42	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	1.59	1.46	3.21	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		6/3/1998	<1.0	<1.0	7.13	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	12.1	
		9/2/1998	1.27	3.06	17.6	0.36	<1.0	<1.0	0.19	<1.0	<20	<1.0	<1.0	<1.0	
		12/4/2002	<2.0	<2.0	15.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
		6/1/2011	1.6	1.5	8.9	<0.10	0.025	<0.10	<0.10	<2.0	<2.0	<0.10	0.52	<0.10	
MW-3	580-26520-1	12/3/1997	6.06	1.07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	4.44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		6/3/1998	4.52	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.3	9.24	
		9/2/1998	5.37	0.81	0.22	<1.0	<1.0	<1.0	<1.0	0.23	<20	<1.0	1.93	<1.0	
		12/4/2002	6.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	
		6/1/2011	3.2	0.23	<0.10	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	1.9	<0.10	
MW-4	580-26520-1	12/3/1997	3.32	<1.0	5.23	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	3.78	<1.0	1.64	<1.0	<1.0	<1.0	<1.0	<1.0	24.1	<1.0	<1.0	<1.0	
		6/3/1998	3.86	<1.0	3.25	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	2.78	
		9/2/1998	3.12	0.84	4.34	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	1.15	<1.0	
		12/4/2002	5.0	<2.0	5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
		6/1/2011	2.2	0.29	0.87	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	1.7	<0.10	
MW-5 ⁸	NA	12/3/1997	3.98	1.10	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	2.25	1.02	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		6/3/1998	2.72	<1.0	2.52	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	2.59	
		9/2/1998	2.65	0.89	2.87	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	0.85	<1.0	
		12/4/2002	5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
MW-6	580-26520-1	12/3/1997	<1.0	<1.0	7.68	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		3/3/1998	<1.0	<1.0	13.2	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		6/3/1998	<1.0	<1.0	13.3	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		9/2/1998	<1.0	0.33	7.08	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		12/4/2002	6.0	74.0	270	<2.0	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
		6/1/2011	<0.10	<0.10	6.6	<0.10	0.20	<0.10	<0.10	<2.0	<2.0	<0.10	<0.10	<0.10	
RI Preliminary Screening Level⁴			5.0	3.98	70	100	0.0292	7,200	800	4,800	800	0.643	7.17	3.37	
CSM Selected Cleanup Levels for COCs⁵			5.0	5.0	16	---	0.20	---	---	---	---	1.22	---	---	
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	160	---	200⁷	7.68	4,800	7,200	---	1.41	NE	

**Table 6
Groundwater Analytical Results for Volatile Organic Compounds
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Location	Lab Report	Sample Date	Analytical Results (micrograms per liter) ¹												
			PCE ³	TCE ³	cis 1,2-DCE ³	trans 1,2-DCE ²	Vinyl Chloride ³	1,1,1-TCA ²	1,1-DCA ²	MEK ²	Acetone ²	1,2-dichloropropane ³	Chloroform ²	Chloromethane ³	
WDOE-6	580-26540-1	May-92	420	430	270	<1.0	<10	<1.0	<1.0	<1.0	<20	<1.0	<5.0	<1.0	
		12/3/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		3/3/1998	49.6	108	83.7	2.34	4.24	<1.0	<1.0	<1.0	<20	1.73	<1.0	<1.0	
		6/3/1998	75.6	60.4	45.6	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		9/2/1998	20.8	18.7	11.4	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<1.0	
		12/3/2002	<2.0	<2.0	14.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
		6/1/2011	5.7	31	300	0.57	37	<0.10	3.1	<2.0	<2.0	<0.10	<0.10	<0.10	
MW-7A	580-26540-1	12/3/2002	<2.0	<2.0	4.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20	<1.0	<2	<2	
		6/2/2011	<0.10	<0.10	<0.10	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	<0.10	<0.10	
MW-7B	580-26540-1	12/3/2002	2.0	<2.0	12.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
		6/2/2011	1.9	0.44	3.8	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	1.1	<0.10	
MW-10	580-26540-1	6/2/2011	1.8	0.10	<0.10	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	1.5	<0.10	
MW-11	580-26540-1	6/2/2011	1.6	0.22	<0.10	<0.10	<0.020	<0.10	<0.10	<2.0	<2.0	<0.10	1.3	<0.10	
RI Preliminary Screening Level⁴			5.0	3.98	70	100	0.0292	7,200	800	4,800	800	0.643	7.17	3.37	
CSM Selected Cleanup Levels for COCs⁵			5.0	5.0	16	---	0.20	---	---	---	---	1.22	---	---	
MTCA Cleanup Levels for Other Analytes⁶			---	---	---	160	---	200⁷	7.68	4,800	7,200	---	1.41	NE	

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes analyte not detected at or above the reporting limit listed.

--- denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹ Analyzed by U.S. Environmental Protection Agency Method 8260B.

² Compound was not retained as a COPC following completion of the 2004 Revised Remedial Investigation Report.

³ Identified and retained as a COPC in the June 2004 Remedial Investigation Report.

⁴ Preliminary screening level as identified in the June 2004 Revised Remedial Investigation Report.

⁵ Cleanup level identified in Table 2 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁶ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, <https://fortress.wa.gov/ecy/clarc/CLARCDatatables.aspx>, unless otherwise noted. Downloaded October 2018.

⁷ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

⁸ Monitoring well MW-5 was decommissioned in 2007 during Bay Chemical Cleanup.

1,1-DCA = 1,1-dichloroethane

1,1,1-TCA = 1,1,1-trichloroethane

cis-1,2-DCE = cis-1,2-dichloroethene

COC = constituent of concern

COPC = constituent of potential concern

CSM = conceptual site model

MEK = methyl ethyl ketone

NA = not analyzed

NE = not established

PCE = tetrachloroethene

RI = Remedial Investigation

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

**Table 7
Groundwater Analytical Results for Metals
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Location	Lab Report	Sample Date	Analytical Results (micrograms per liter)															
			Antimony ^{1,3}		Arsenic ^{1,3}		Cadmium ^{1,4}		Copper ^{1,3}		Lead ^{1,3}		Manganese ^{1,3}		Mercury ^{2,4}		Zinc ^{1,3}	
			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
MW-1	580-26540-1	6/2/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	70	<2.0	<0.20	<0.20	<7.0	<7.0
MW-2	580-26520-1	6/1/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	180	190	<0.20	<0.20	540	550
MW-3	580-26520-1	6/1/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<0.20	<0.20	7.3	<7.0
MW-4	580-26520-1	6/1/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	11	<2.0	<0.20	<0.20	<7.0	<7.0
MW-6	580-26520-1	6/1/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	280	280	<0.20	<0.20	<7.0	<7.0
WDOE-6	580-26540-1	6/2/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	400	420	<0.20	<0.20	450	99
MW-7A	580-26540-1	6/2/2011	5.4	5.4	6.4	6.0	<2.0	<2.0	6.3	6.0	<2.0	<2.0	5.3	3.5	<0.20	<0.20	37	40
MW-7B	580-26540-1	6/2/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<0.20	<0.20	<7.0	11
MW-10	580-26540-1	6/2/2011	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<0.20	<0.20	70	72
MW-11	580-26540-1	6/2/2011	<2.0	<2.0	<2.0	<2.0	22	22	<5.0	<5.0	3.8	<2.0	180	18	<0.20	<0.20	7,700	7,500
RI Preliminary Screening Level			6.4 ⁵		5.0 ⁵		5.0 ⁵		592 ⁵		15 ⁵		2,200 ⁶		2.0 ⁵		4,800 ⁵	
CSM Selected Cleanup Levels for COCs⁷			6.4		5.0		5.0		640		15		---		2.0		4,800	
MTCA Cleanup Levels for Other Analytes⁸			---		---		---		---		---		2,240		---		---	

NOTES:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes analyte not detected at or above the reporting limit listed.

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹Analyzed by U.S. Environmental Protection Agency Method 6020.

²Analyzed by U.S. Environmental Protection Agency Method 7470A.

³Constituent was not retained as a COPC following completion of the June 2004 Revised Remedial Investigation Report.

⁴Identified and retained as COPC in June 2004 Revised Remedial Investigation Report.

⁵Preliminary screening level as identified in the June 2004 Revised Remedial Investigation Report.

⁶Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater.

⁷Cleanup level identified in Table 2 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁸Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Downloaded October 2018.

COC = constituent of concern

COPC = constituent of potential concern

CSM = conceptual site model

RI = Remedial Investigation

Table 8 *DRAFT - Issued for Client Review*
Groundwater Analytical Results for Organochlorine Pesticides
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Location	Lab Report	Sample Date	Analytical Results (micrograms per liter) ¹			
			4,4-DDD ²	4,4-DDE ²	Dieldrin ²	gamma-Chlordane ³
MW-1	580-26540-1	12/3/1997	<0.1	<0.1	<0.1	--
		3/3/1998	<0.1	<0.1	<0.1	--
		6/3/1998	--	--	--	--
		9/2/1998	--	--	--	--
		12/3/2002	--	--	--	--
		6/2/2011	<0.020	<0.020	<0.020	<0.010
MW-2	580-26520-1	12/3/1997	<0.1	0.119	0.102	--
		3/3/1998	<0.1	<0.1	<0.1	--
		6/3/1998	<0.1	<0.1	<0.1	--
		9/2/1998	<0.1	<0.1	<0.1	--
		12/4/2002	<0.05	<0.05	0.05	--
		6/1/2011	<0.021	<0.021	0.033	<0.010
MW-3	580-26520-1	12/3/1997	<0.1	<0.1	<1.0	--
		3/3/1998	<0.1	<0.1	<1.0	--
		6/3/1998	<0.1	<0.1	<1.0	--
		9/2/1998	<0.1	<0.1	<1.0	--
		12/4/2002	--	--	--	--
		6/1/2011	<0.020	<0.020	<0.020	<0.010
MW-4	580-26520-1	12/3/1997	<0.1	<0.1	<0.1	--
		3/3/1998	<0.1	<0.1	<0.1	--
		6/3/1998	--	--	--	--
		9/2/1998	--	--	--	--
		12/4/2002	--	--	--	--
		6/1/2011	<0.019	<0.019	<0.019	<0.0097
MW-5 ⁴	NA	12/3/1997	<0.1	<0.1	<0.1	--
		3/3/1998	<0.1	<0.1	<0.1	--
		6/3/1998	--	--	--	--
		9/2/1998	--	--	--	--
		12/4/2002	--	--	--	--
MW-6	580-26520-1	12/3/1997	<0.1	<0.1	<0.1	--
		3/3/1998	<0.1	<0.1	<0.1	--
		6/3/1998	--	--	--	--
		9/2/1998	<0.1	<0.1	<0.1	--
		12/4/2002	--	--	--	--
		6/1/2011	<0.019	<0.019	<0.019	<0.0097
WDOE-6	580-26540-1	May-92	0.48	<0.50	1.1	--
		12/3/1997	--	--	--	--
		3/3/1998	<0.1	<0.1	0.226	--
		6/3/1998	0.296	0.586	0.242	--
		9/2/1998	0.100	0.334	<0.1	--
		12/3/2002	0.13	<0.05	<0.05	--
		6/2/2011	0.028	<0.020	0.063	0.011
RI Preliminary Screening Level⁵			0.365	0.257	0.0055	0.25
CSM Selected Cleanup Levels for COCs⁶			0.36	0.26	0.0055	---
MTCA Cleanup Levels for Other Analytes⁷			---	---	---	0.25

Table 8 *DRAFT - Issued for Client Review*
Groundwater Analytical Results for Organochlorine Pesticides
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Location	Lab Report	Sample Date	Analytical Results (micrograms per liter) ¹			
			4,4-DDD ²	4,4-DDE ²	Dieldrin ²	gamma-Chlordane ³
MW-7A	580-26540-1	12/3/2002	--	--	--	--
		6/2/2011	<0.020	<0.020	<0.020	<0.0099
MW-7B	580-26540-1	12/3/2002	--	--	--	--
		6/2/2011	<0.020	<0.020	<0.020	<0.010
MW-10	580-26540-1	6/2/2011	<0.020	<0.020	<0.020	<0.010
MW-11	580-26540-1	6/2/2011	<0.020	<0.020	<0.020	<0.010
RI Preliminary Screening Level⁵			0.365	0.257	0.0055	0.25
CSM Selected Cleanup Levels for COCs⁶			0.36	0.26	0.0055	---
MTCA Cleanup Levels for Other Analytes⁷			---	---	---	0.25

Notes:

Results in **bold** denote concentrations above preliminary screening levels.

Results highlighted in orange denote concentrations exceeding CSM selected cleanup levels or MTCA levels where CSM cleanup levels are not applicable.

< denotes analyte not detected at or above the reporting limit listed.

-- denotes sample not analyzed

— denotes CSM cleanup level not applicable. MTCA cleanup levels provided for analytes not identified as COCs in the CSM Technical Memo.

¹ Analyzed by U.S. Environmental Protection Agency Method 8081A.

² Identified and retained as COPC in June 2004 Revised Remedial Investigation Report.

³ Constituent was not retained as a COPC following completion of the June 2004 Revised Remedial Investigation Report.

⁴ Monitoring well MW-5 was decommissioned in 2007 during the Bay Chemical cleanup.

⁵ Preliminary screening level as identified in the June 2004 Revised Remedial Investigation Report.

⁶ Cleanup level identified in Table 2 of the 2018 Conceptual Site Model (CSM) Technical Memo.

⁷ Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>. Downloaded October 2018.

COC = constituent of concern

COPC = constituent of potential concern

CSM = conceptual site model

RI = Remedial Investigation

**Table 9
Groundwater Analytical Results for Natural Attenuation Parameters
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Location	Lab Report	Sample Identification	Sampled By	Sample Date	Analytical Results (milligrams per liter)										
					Alkalinity ¹	Sulfate ²	Sulfide ³	Methane ⁴	Ethane ⁴	Ethylene ⁴	Ferrous Iron ⁵	Nitrate ⁶	Total Phosphate ⁷	Chloride ⁸	Total Organic Carbon ⁹
MW-1	580-26540-1	MW-1-060211	AGRA	12/3/1997	144	81.3	--	--	--	--	--	--	--	--	--
			AGRA	3/3/1998	96.3	25.4	--	--	--	--	--	--	--	--	--
			AGRA	6/3/1998	96	20.6	--	--	--	--	--	--	--	--	--
			AGRA	9/2/1998	102	61.1	--	--	--	--	--	--	--	--	--
			Farallon	12/3/2002	74	25	<0.050	<0.01	<0.01	<0.01	0.088	2.9	0.2	12	1.1
			Farallon	6/2/2011	81	16	--	<0.00058	<0.0011	<0.001	--	4.0	--	22	1.4
MW-2	580-26520-1	MW-2-060111	AGRA	12/3/1997	166	134	--	--	--	--	--	--	--	--	
			AGRA	3/3/1998	116	35.1	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	104	59.5	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	84	758	--	--	--	--	--	--	--	--	
			Farallon	12/4/2002	79	46	<0.050	0.02	<0.01	<0.01	0.19	<0.010	0.57	12	1.8
			Farallon	6/1/2011	97	39	--	<0.00058	<0.0011	<0.001	--	1.7	--	20	1.5
MW-3	580-26520-1	MW-3-060111	AGRA	12/3/1997	156	21.1	--	--	--	--	--	--	--	--	
			AGRA	3/3/1998	110	18.2	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	102	17.4	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	108	32.4	--	--	--	--	--	--	--	--	
			Farallon	12/4/2002	NA	NA	--	--	--	--	--	--	--	--	
			Farallon	6/1/2011	NA	NA	--	--	--	--	--	--	--	--	
MW-4	580-26520-1	MW-4-060111	AGRA	12/3/1997	188	52	--	--	--	--	--	--	--	--	
			AGRA	3/3/1998	113	23.1	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	110	26	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	110	55.2	--	--	--	--	--	--	--	--	
			Farallon	12/4/2002	79	34	<0.050	<0.01	<0.01	<0.01	0.039	2.3	0.12	12	1.8
			Farallon	6/1/2011	--	--	--	--	--	--	--	--	--	--	
MW-5 ¹⁰	NA	MW-5	AGRA	12/3/1997	155	86.1	--	--	--	--	--	--	--	--	
			AGRA	3/3/1998	114	50.3	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	103	61.9	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	104	91.7	--	--	--	--	--	--	--	--	
			Farallon	12/4/2002	74	42	<0.050	<0.01	<0.01	<0.01	0.044	2	0.11	12	0.75
MW-6	580-26520-1	MW-6-060111	AGRA	12/3/1997	180	81.4	--	--	--	--	--	--	--	--	
			AGRA	3/3/1998	115	68.1	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	99	82.7	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	124	147	--	--	--	--	--	--	--	--	
			Farallon	12/4/2002	81	61	<0.050	0.11	<0.01	<0.01	0.46	0.027	0.12	12	0.79
			Farallon	6/1/2011	72	120	--	0.0017	<0.0011	<0.001	--	<0.90	--	20	1.1
WDOE-6	580-26540-1	WDOE-6-060211	AGRA	3/3/1998	85.5	209	--	--	--	--	--	--	--	--	
			AGRA	6/3/1998	79	74.8	--	--	--	--	--	--	--	--	
			AGRA	9/2/1998	97	95.6	--	--	--	--	--	--	--	--	
			Farallon	12/3/2002	78	57	0.2	0.04	<0.01	<0.01	4.1	0.019	0.091	14	2
			Farallon	6/2/2011	36	160	--	0.0039	<0.0011	<0.001	--	<0.90	--	21	1.3
MW-7A	580-26540-1	MW-7A-060211	Farallon	12/3/2002	210	130	<0.050	0.12	<0.01	<0.01	0.035	0.011	0.068	16	4.5
			Farallon	6/2/2011	160	150	--	0.0017	<0.0011	<0.001	--	4.7	--	11	7.8
MW-7B	580-26540-1	MW-7B-060211	Farallon	12/3/2002	--	--	--	--	--	--	--	--	--	--	
MW-10	580-26540-1	MW-10-060211	Farallon	6/2/2011	--	--	--	--	--	--	--	--	--	--	
MW-11	580-26540-1	MW-11-060211	Farallon	6/2/2011	--	--	--	--	--	--	--	--	--	--	

NOTES:

Results in **bold** denote analyte not detected above the laboratory practical quantitation limit.
 < denotes concentration not detected at or above the laboratory practical quantitation limit initiated.
 -- = denotes sample not analyzed
 EPA = U.S. Environmental Protection Agency

¹Analyzed by EPA Method 310.1.
²Analyzed by EPA Method 375.4.
³Analyzed by EPA Method 376.1.

⁴Analyzed by Method -GC in house.
⁵Analyzed by Method SM18 3500FED.
⁶Analyzed by EPA Method 353.2, 354.1.

⁷Analyzed by EPA Method 365.1.
⁸Analyzed by EPA Method 325.3.
⁹Analyzed by EPA Method 415.2.

¹⁰ Monitoring well MW-5 decommissioned in 2007 during Bay Chemical Cleanup.

Client: Farallon Consulting, LLC
 975-5th AVE NW
 Issaquah WA 98027

Client Contact: Jeff Kaspar
 Telephone Number (Area Code)/Fax Number: (425) 245-0808

Date: 5/23/11
 Lab Number: 26360

Chain of Custody Number: 11239
 Page 1 of 1

Project Name and Location (State): Yakima Steel, WA

Contract/Purchase Order/Quote No.: 765-001

Sampler: BH
 Billing Contact: Jeff Kaspar

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt									
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH												
-1 E-WetSed-1-052311	5/23/11	1010				X									X	X	X	X	X	X	X	X	X	HOLD Containers for additional analysis if necessary/ requested
-2 E-WetSed-2-052311	"	1035				X									X	X	X	X	X	X	X	X	X	Analyze 16oz jars only hold VOAs and 4oz jars
-3 E-WetSed-3-052311	"	1110				X									X	X	X	X	X	X	X	X	X	IR=6.8/7.4 w/o Lg Green/blue wet/bubble lab courier

Cooler: Yes No Cooler Temp: _____

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Disposal By Lab Archive For 1 Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify)

1. Relinquished By Sign/Print <u>Ryan Hibbs</u>	Date <u>5-23-11</u>	Time <u>1405</u>	1. Received By Sign/Print <u>BRETT T. CARR</u>	Date <u>5/23/11</u>	Time <u>1405</u>
2. Relinquished By Sign/Print <u>Brett T. Carr</u>	Date <u>5/24/11</u>	Time <u>10:00</u>	2. Received By Sign/Print <u>Francisco Luns, Jr</u>	Date <u>5/24/11</u>	Time <u>1600</u>
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments

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 Short Hold

Chain of Custody Record

26377

Client Forallon		Client Contact Brett Corp		Date 5-24-11	Chain of Custody Number 11240
Address 975 5th Ave NW		Telephone Number (Area Code)/Fax Number (425) 295-0800		Lab Number	Page 1 of 3
City Issaquah	State WA	Zip Code 98027	Sampler R. Hibbs	Analysis (Attach list if more space is needed)	

Project Name and Location (State) VSF Yakima, WA		Billing Contact	Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No. 765-001			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	
			Air	Aqueous	Soil	Soil	Unpres.	#2504	HT03	HCl	NaOH		ZnAc/NaOH
1 K-TPI-052311-0.0-0.5	5-23-11	1350			X	X							Duplicate (Field) #2 Cooler TB Dig/IR cor. 1.3 unc. 0.3 Cooler Dsc by gator blue @ Lab - Wet Packs Packing bubble bag w/o FedEx P.O.
2 K-TPI-052311-2.0-2.5		1355											
3 K-TP2-052311-1.0-1.5		1440											
4 K-TP2-052311-3.5-4.0		1445											
5 K-TP3-052311-0.0-0.5		1530											
6 K-TP3-052311-2.0-2.5		1535											
7 L-TPI-052311-0.0-0.5		1614											
8 L-TPI-052311-3.0-3.5		1620											
9 L-TP2-052311-0.0-0.5		1650											
10 L-TP2-052311-0.0-0.5		1655											
11 L-TP2-052311-2.0-2.5		1700											

Cooler <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Archive For _____ Months	<input type="checkbox"/> Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)
--	--	--	--

Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input checked="" type="checkbox"/> Other Hold	QC Requirements (Specify)
---	---------------------------

1. Relinquished By Sign/Print Ryan Hibbs	Date 5-24-11	Time 1550	1. Received By Sign/Print Cathy Marshall	Date 5/24/11	Time 10:00
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments: **Hold samples until directed which samples to analyze. Metals to include: Antimony, arsenic, Cadmium, copper, lead, mercury, molybdenum, zinc.**

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Fax 253-922-5047
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 Short Hold

Chain of Custody Record

210377

Client Forallon		Client Contact Brett Corp		Date 5-24-11	Chain of Custody Number 11248
Address 975 5th Ave NW		Telephone Number (Area Code)/Fax Number (425) 295-0800		Lab Number	Page 2 of 3
City Issaquah	State WA	Zip Code 98027	Sampler R. Hibbs	Lab Contact	

Project Name and Location (State) YSF Yakima WA		Billing Contact		Analysis (Attach list if more space is needed)	
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Contract/Purchase Order/Quote No. 745-001		Matrix		Containers & Preservatives		Special Instructions/ Conditions of Receipt
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Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	meq/L				
12 L-TP3-052411-0.0-0.5	5-24-11	0735				X											
13 L-TP3-052411-2.0-2.5		0740															
14 J-TP1-052411-0.0-0.5		0835															
15 J-TP1-052411-3.0-3.5		0840															
16 I-TP1-052411-0.0-0.5		0920															
17 I-TP1-052411-6.0		0925															
18 I-TP1-052411-7.0		0930															
19 I-TP2-052411-0.0-0.5		1005															
20 I-TP2-052411-2.0-2.5		1010															
21 I-TP3-052411-7.5		1115															
22 I-TP3-052411-3.0		1130															
23 I-TP3-052411-1.5		1235															

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
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Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input checked="" type="checkbox"/> Other Hold	QC Requirements (Specify)
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1. Relinquished By Sign/Print Raym Hibbs	Date Time	1. Received By Sign/Print Cathy Gamble	Date Time
2. Relinquished By Sign/Print	Date Time	2. Received By Sign/Print	Date Time
3. Relinquished By Sign/Print	Date Time	3. Received By Sign/Print	Date Time

Comments **See page 1 comments Metals include: Antimony, Arsenic, Cadmium, Copper, Lead, Manganese, Mercury, and Zinc.**

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Rush
 Short Hold

Chain of Custody Record

20377

Client: <u>Furullon</u>			Client Contact: <u>Brett Corp</u>			Date: <u>5-24-11</u>	Chain of Custody Number: <u>11241</u>
Address:			Telephone Number (Area Code)/Fax Number: <u>(425) 295-0300</u>			Lab Number:	Page <u>3</u> of <u>3</u>
City: <u>Issaquah</u>	State: <u>WA</u>	Zip Code: <u>98027</u>	Sampler: <u>R. Hibbs</u>	Lab Contact:		Analysis (Attach list if more space is needed)	
Project Name and Location (State): <u>765-001</u>			Billing Contact:		Special Instructions/Conditions of Receipt		
Contract/Purchase Order/Quote No.:							

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Uppres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
<u>TP2-052411-0.0-0.5</u>	<u>5-24-11</u>	<u>1730</u>				<u>X</u>								<u>X</u>	<u>X</u>		
<u>S-TP2-052411-2.0-2.5</u>	<u>5-24-11</u>	<u>1735</u>				<u>X</u>								<u>X</u>	<u>X</u>		
<u>N-TP1-052411-0.0-0.5</u>	<u>5-24-11</u>	<u>1515</u>				<u>X</u>								<u>X</u>	<u>X</u>		
<u>N-TP1-052411-2.0-2.5</u>	<u>5-24-11</u>	<u>1530</u>				<u>X</u>								<u>X</u>	<u>X</u>		
<u>I-TP3-052411-0.0-0.5</u>	<u>5-24-11</u>	<u>1100</u>				<u>X</u>								<u>X</u>	<u>X</u>		

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other Hold QC Requirements (Specify): _____

1. Relinquished By Sign/Print: <u>Ryan Hibbs</u>	Date: <u>5-24-11</u>	Time:	1. Received By Sign/Print: <u>Cathy Cramble</u>	Date: <u>5/25/11</u>	Time: <u>10:00</u>
2. Relinquished By Sign/Print:	Date:	Time:	2. Received By Sign/Print:	Date:	Time:
3. Relinquished By Sign/Print:	Date:	Time:	3. Received By Sign/Print:	Date:	Time:

Comments: See page 1 Methods to include: Antimony, arsenic, cadmium, copper, lead, manganese, mercury, nickel, vanadium

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Rush
 Short Hold

Chain of Custody Record

Client: Foralure
 975 5th Ave NW
 Address: _____
 City: Issaquah State: WA Zip Code: 98027
 Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11263
 Telephone Number (Area Code)/Fax Number: (425) 299-0800 Lab Number: 26451 Page: 1 of 5

Project Name and Location (State): 765-001 Yakima WA
 Contract/Purchase Order/Quote No.: 765-001
 Sampler: R. Hibbs Lab Contact: _____
 Billing Contact: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Solid	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
G-T1-052511-0.0-0.5	5-25-11	0740				X									1	
G-T1-052511-2.0-2.5		0745														2
G-T2-052511-0.0-0.5		0830														3
G-T2-052511-2.0-2.5		0835														4
G-T3-052511-0.0-0.5		0850														5
G-T3-052511-2.0-2.5		0855														6
G-T3-052511-3.5-4.0		0900														7
E-T1-052511-4.5		1005														8
E-T2-052511-3.0		1025														9
M-T1-052511-0.0-0.5		1250														10
M-T1-052511-3.0-3.5	1355														"	
M-T1.2-052511-0.0-0.5	1300														Duplicate (Field Sample)	

Cooler: Yes No. Cooler Temp: _____
 Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____
 QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Date: <u>5-26-11</u> Time: <u>1900</u>	1. Received By: _____ Date: _____ Time: _____
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments: Hold samples until instructed which samples to analyze
 Metals to include: Antimony, Arsenic, Cadmium, Copper, Lead, Manganese, Mercury, and Zinc

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Client: Formillon Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11264
Address: Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26451 Page 2 of 5

City: Issaquah State: WA Zip Code: 98027 Sampler: R Hibbs Lab Contact: _____
Project Name and Location (State): 765 Yakima WA Billing Contact: _____
Contract/Purchase Order/Quote No.: 765-001

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Misc.			of Combinations of Preservatives	Metals (See Method)	VOCs
M-TP1-052511-3.0-3.5	5-25-11	1305				X	1											13
M-TP2-052511-0.0-0.5		1415					1											14
M-TP2-052511-3.5-4.0		1420					1											15
D-TP1-052511-4.5		1520					1											16
D-TP2-052611-5.5		1545					1											17
J-TP3-052511-0.9-1.0		1640					1											18
J-TP3-052511-1.3-2.0		1645					1											19
J-TP3-052511-3.5-4.0		1650					1											20
H-TP1-052611-0.0-0.5	5-26-11	0705					3											21
H-TP1-052611-3.5-4.0		0710					3											22
H-TP2-052611-1.0-1.5		0820					3											23
H-TP2-052611-2.0-2.5		0825					1											24

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Sign/Print: <u>Ryan Hibbs</u> Date: <u>5-26-11</u> Time: <u>1900</u>	1. Received By: _____ Sign/Print: _____ Date: _____ Time: _____
2. Relinquished By: _____ Sign/Print: _____ Date: _____ Time: _____	2. Received By: _____ Sign/Print: _____ Date: _____ Time: _____
3. Relinquished By: _____ Sign/Print: _____ Date: _____ Time: _____	3. Received By: _____ Sign/Print: _____ Date: _____ Time: _____

Comments: See page 1

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Rush
 Short Hold

Chain of Custody Record

Client Forcelloni Client Contact Brett Loop Date 5-26-11 Chain of Custody Number 11265
 Address _____ Telephone Number (Area Code)/Fax Number _____ Lab Number 26451 Page 3 of 5

City Issaquah State WA Zip Code 98027 Sampler R. Hibbs Lab Contact _____
 Project Name and Location (State) YSF Yukon WA Billing Contact _____ Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No. 765-001 Matrix _____ Containers & Preservatives _____
 Special Instructions/Conditions of Receipt _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives												Special Instructions/Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2/NH3	Misc.	Other	Matrix	VOCs						
H-TP2-052611-3.5-4.0	5-26-11	0830				X	3															Freeze now Take out 1710
H-TP3-052611-0.0-0.5		0845					1									X	X	X				76
H-TP3-052611-2.0-2.5		0950					3									X	X	X				Freeze now Take out 1710
H-TP3-052611-3.5-4.0		0955					3									X	X	X				Freeze now Take out 1710
D-TP3-052611-4.5		1030					1									X	X	X				29
D-TP3-052611-4.5		1035					1									X	X	X				Duplicate (Field)
C-TP1-052611-2.5		1100					1									X	X	X				31
C-TP1-052611-5.0		1105					1									X	X	X				32
C-TP2-052611-8.0		1130					1									X	X	X				33
C-TP3-052611-4.5		1345					1									X	X	X				34
C-TP3-052611-4.5		1350					1									X	X	X				Duplicate (Field)

Cooler Yes No Cooler Temp: _____ Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days) 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify)

1. Relinquished By: <u>Roger Hibbs</u> <u>Roger Hibbs</u> Date <u>5-26-11</u> Time <u>1900</u>	1. Received By: _____ Date _____ Time _____
2. Relinquished By: _____ Date _____ Time _____	2. Received By: _____ Date _____ Time _____
3. Relinquished By: _____ Date _____ Time _____	3. Received By: _____ Date _____ Time _____

Comments: See page 1

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- Rush
 Short Hold

Chain of Custody Record

Client: Brett Corp Date: 5-26-11 Chain of Custody Number: 11266
 Address: (425) 295-0800 Telephone Number (Area Code/Fax Number): 76451 Lab Number: 76451 Page 4 of 5

City: Issaquah State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact: _____
 Project Name and Location (State): 45F Yakima WA Billing Contact: _____
 Analysis (Attach list if more space is needed): _____

Contract/Purchase Order/Quote No.: 765-001 Matrix: _____ Containers & Preservatives: _____
 Sample I.D. and Location/Description (Containers for each sample may be combined on one line): _____ Date: _____ Time: _____

Sample I.D. and Location/Description	Date	Time	Matrix				Containers & Preservatives										Special Instructions/Conditions of Receipt					
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	H2O2	Concentration	Methods (See notes)	Volts		ACID				
B-TP1-052611-8.5	5-26-11	1305				X	2									X	X	X				36
B-TP1-052611-6.5		1310					2									X	X	X				37
B-TP1-052611-6.0		1315					2									X	X	X				38
B-TP1-052611-6.0		1320					1									X	X	X				39
B-TP2-052611-4.5		1415					2									X	X	X				40
B-TP2-052611-5.5		1420					3									X	X	X				41
B-TP2-052611-4.5		1445					2									X	X	X				42
B-TP3-052611-5.5		1450					3									X	X	X				43
G-wetsoil-052611-0.0-0.5		1530					2									X	X	X				44
G-wetsoil-052611-1.0-2.0		1535					4									X	X	X				45
E-wetsoil-052611-0.0-0.5		1600					4									X	X	X				46
E-wetsoil-052611-0.5-1.0		1605					2									X	X	X				47

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Date: <u>5-26-11</u> Time: <u>1800</u>	1. Received By: _____ Date: _____ Time: _____
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments: See page 1

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Rush
 Short Hold

Chain of Custody Record

Client: Foxellon Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11287
Address: Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26451 Page 5 of 5

City: Issaquah, WA State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact:
Project Name and Location (State): YSF Yuckimau WA Billing Contact:
Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No.: 765-001
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)

Sample I.D. and Location/Description	Date	Time	Matrix				Containers & Preservatives										
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Me-Sorb	Metalox (Stoichiometric)	Metals (Stoichiometric)	VOCs (E202)	PCDD

<u>E-wet soil - 2-052611-0.5-1.0</u>	<u>5-26-11</u>	<u>1647</u>				<u>X</u>	<u>4</u>								<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>48</u>
<u>E-wet soil - 2-052611-1.0-2.0</u>	<u>6</u>	<u>1655</u>				<u>L</u>	<u>2</u>								<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>48</u>

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify):

1. Relinquished By: <u>Ryan Hibbs</u>	Date: <u>5-26-11</u>	Time: <u>1900</u>	1. Received By: _____	Date: _____	Time: _____
2. Relinquished By: _____	Date: _____	Time: _____	2. Received By: _____	Date: _____	Time: _____
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: See page 1

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Rush

Short Hold

Chain of Custody Record

Client <i>Farallon</i>		Client Contact <i>Brett Corp</i>		Date <i>5-31-11</i>	Chain of Custody Number <i>11301</i>
Address		Telephone Number (Area Code)/Fax Number <i>(425) 295-0800</i>		Lab Number <i>26502</i>	Page <i>1</i> of <i>1</i>

City <i>Issaquah</i>	State <i>WA</i>	Zip Code <i>98027</i>	Sampler <i>K. Hibbs</i>	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <i>YSF Yakima WA</i>			Billing Contact			

Contract/Purchase Order/Quote No. <i>765-001</i>		Matrix	Containers & Preservatives
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Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives													
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Mech							
<i>E-wet sed-1-053111</i>	<i>5-31-11</i>	<i>1710</i>			<i>X</i>		<i>6</i>													
<i>E-wet sed-2-053111</i>	<i>5-31-11</i>	<i>1730</i>			<i>X</i>		<i>6</i>													
<i>E-wet sed-3-053111</i>	<i>5-31-11</i>	<i>1500</i>			<i>X</i>		<i>6</i>													

*Cooler/IB Dig/IR cor 0.3 and 0.3
Cooler Dsc 1g B/W @ Lab 0945
Wet/Packs Packing Bubble
W/o CS Submerged
in water*

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
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Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input type="checkbox"/> Other _____	QC Requirements (Specify)
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1. Relinquished By Sign/Print <i>Ryan Hibbs</i>	Date <i>5-31-11</i>	Time <i>1530</i>	1. Received By Sign/Print <i>Samantha J. Kalicki</i>	Date <i>6/1/11</i>	Time <i>0945</i>
2. Relinquished By Sign/Print <i>Samantha J. Kalicki</i>	Date <i>6/1/11</i>	Time <i>14:45</i>	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments
Call Brett Corp for analysis

TestAmerica

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Yukon

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Rush

Short Hold

Chain of Custody Record

Client <i>Yukon</i>		Client Contact <i>Brett Corp</i>		Date <i>5-28-11</i>	Chain of Custody Number 11273
Address		Telephone Number (Area Code)/Fax Number <i>(725) 295-0200</i>		Lab Number <i>26530</i>	Page <i>1</i> of <i>1</i>

City <i>Issaquah</i>	State <i>WA</i>	Zip Code <i>98027</i>	Sampler <i>R. Hibbs</i>	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) <i>YSF Yukon WA</i>			Billing Contact		

Contract/Purchase Order/Quote No. <i>MSAE 765-001</i>	Matrix	Containers & Preservatives	Special Instructions/Conditions of Receipt
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Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives														
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH									
<i>I-TP4-052711-2.5</i>	<i>5-27-11</i>	<i>0745</i>				<i>X</i>	<i>X</i>														
<i>I-TP4-052711-5.0</i>		<i>0750</i>																			
<i>I-TP4-052711-8.0</i>		<i>0755</i>																			
<i>I-TP5-052711-2.5</i>		<i>0820</i>																			
<i>I-TP5-052711-4.5</i>		<i>0825</i>																			
<i>I-TP5-052711-6.5</i>		<i>0830</i>																			
<i>A-TP1-052711-5.0</i>		<i>0850</i>																			
<i>A-TP2-052711-5.0</i>		<i>0910</i>																			
<i>I-TP6-052711-2.5</i>		<i>0930</i>																			
<i>I-TP6-052711-4.5</i>		<i>0935</i>																			
<i>I-TP6-052711-5.5</i>	<i>0940</i>																				

Cooler/FB *Dig/TK cors. 6°C uncs. 8°C*
Cooler Dsc *Ly Blue/White @ Lab 1420*
Wet/Packs *Packing Bubble Wrap*

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
---	--	---	---

Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input checked="" type="checkbox"/> Other _____	QC Requirements (Specify)
--	---------------------------

1. Relinquished By Sign/Print <i>Ryan Hibbs</i>	Date <i>5-28-11</i>	Time <i>0930</i>	1. Received By Sign/Print <i>Francisco Luna Jr.</i>	Date <i>6/1/11</i>	Time <i>1145</i>
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments
Hold until instructed which samples to analyze

Client: Fossilon Client Contact: Brett Comp Date: 6-2-11 Chain of Custody Number: 11303
Address: Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26540 Page 1 of 1

City: Issaquah State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact: _____
Project Name and Location (State): Y5F Yakima WA Billing Contact: _____
Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No.: 765-001 Matrix: _____ Containers & Preservatives: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										Special Instructions/ Conditions of Receipt								
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HN03	HCl	NaOH	ZnAc/ NaOH	VOCs	Organic Compounds Pesticides	Metals TSS	Alkalinity		Sulfate	Nitrate	TOC	Chloride	Mercury, Ethanol			
MW-11-060211	6-2-11	0718		X			X	X		X	X														
MW-7B-060211		0818					3	1		3	1														
MW-7A-060211		0922					3	1		6	1														
MW-10-060211		1028					3	1		3	1														
MW-1-060211		1142					3	1		6	1														
Blind		1246					3	1		6	1														
Trip Blank		1316								3															

Cooler/TB Dig/IR cor 1.3 unc 1.3 Cooler/TB Dig/IR cor 0.7 unc 0.7 Cooler/TB Dig/IR cor 1.9 unc 1.9
Cooler Dsc Lg Gr/blu @ Lab Cooler Dsc Lg Gr/bl @ Lab Cooler Dsc Lg Bl/wh @ Lab
Wet/Packs Packing bubble Wet/Packs Packing bubble Wet/Packs Packing bubble
#2 w/o

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By Sign/Print: <u>Ryan Hibbs</u> Date: <u>6-3-11</u> Time: <u>1013</u>	1. Received By Sign/Print: <u>Tom Blankinship</u> Date: <u>6/3/11</u> Time: <u>1013</u>
2. Relinquished By Sign/Print: _____ Date: _____ Time: _____	2. Received By Sign/Print: _____ Date: _____ Time: _____
3. Relinquished By Sign/Print: _____ Date: _____ Time: _____	3. Received By Sign/Print: _____ Date: _____ Time: _____

Comments: Dissolved metals not filtered

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26360-1
Client Project/Site: Yakima Steel

For:
Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
07/28/2011 04:19:01 PM
Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com
Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

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

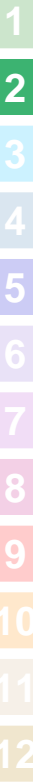


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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Job ID: 580-26360-1

Laboratory: TestAmerica Seattle

Narrative

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC Semi VOA - Method 8081A

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 90711 exceeded control limits for the following analytes: Heptachlor epoxide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have "*" flagged and been reported.

Surrogate recovery for the following samples were outside control limits: E-WetSed-1-052311 (580-26360-1), E-WetSed-2-052311 (580-26360-2), E-WetSed-3-052311 (580-26360-3). Evidence of matrix interference is present, sample contain high percent moisture; therefore, re-extraction and/or re-analysis was not performed. The data have been "X" flagged and reported.

The continuing calibration verification (CCV) for Heptachlor epoxide recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been "^" flagged and reported.

The following sample E-WetSed-1-052311 (580-26360-1), E-WetSed-2-052311 (580-26360-2), E-WetSed-3-052311 (580-26360-3) were prepared and/or analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired. The data have been "H" flagged and reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry - Method 160.3

Constant weight was not achieved after 3 drying cycles for the following samples: (580-26360-1DU), E-WetSed-1-052311 (580-26360-1), E-WetSed-2-052311 (580-26360-2), E-WetSed-3-052311 (580-26360-3). The last weight recorded was used for calculation.

General Chemistry - Method 9060 PSEP

These samples were frozen as they had very little hold time remaining due to instrument issues. The hold time is now 6 months on these samples and were analyzed within hold. The "H" flags have been removed and the data reported.

No other analytical or quality issues were noted.

Geotechnical

No analytical or quality issues were noted.

Subcontract Work

Methods Amphipod mortality 10 days (*Hyalella azteca*), Microtox®100% porewater extract 15 Min. (*Virio fischeri*), Midge larvae mortality and growth 21 days (*Chironomus tentans*): These methods were subcontracted to Nautilus Environmental. The subcontract certifications are different from those listed on the TestAmerica cover page of this final report.

Organic Prep - Method 3550B

The following samples were prepared outside of preparation holding time: Samples (580-26360-1DU), E-WetSed-1-052311 (580-26360-1), E-WetSed-2-052311 (580-26360-2), E-WetSed-3-052311 (580-26360-3) were all prepared 43 days past the holding time. They were added to the backlog already outside of holding time by the project manager. Extraction continued as normal. Method 3550B, 8081A. Batch 90711.

No other analytical or quality issues were noted.

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-1-052311

Lab Sample ID: 580-26360-1

Date Collected: 05/23/11 10:10

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 44.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
alpha-BHC	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
beta-BHC	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
delta-BHC	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
gamma-BHC (Lindane)	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
4,4'-DDD	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
4,4'-DDE	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
4,4'-DDT	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
Dieldrin	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Endosulfan I	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/27/11 18:10	1
Endosulfan II	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
Endosulfan sulfate	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Endrin	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Endrin aldehyde	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Heptachlor	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Heptachlor epoxide	ND	H *	2.1		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
Methoxychlor	ND	H	21		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
Endrin ketone	ND	H	4.2		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
Toxaphene	ND	H	210		ug/Kg	☼	07/19/11 09:57	07/22/11 01:36	1
alpha-Chlordane	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/27/11 18:10	1
gamma-Chlordane	ND	H	2.1		ug/Kg	☼	07/19/11 09:57	07/26/11 18:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	14	X	49 - 123				07/19/11 09:57	07/22/11 01:36	1
DCB Decachlorobiphenyl	9	X	40 - 158				07/19/11 09:57	07/22/11 01:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.8		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Lead	190		2.9		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Antimony	ND		5.8		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Cadmium	9.2		0.96		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Copper	36		1.9		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Manganese	210		1.9		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1
Zinc	2700		3.8		mg/Kg	☼	07/15/11 13:12	07/15/11 21:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	53000		2000		mg/Kg			06/13/11 18:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	26		0.010		%			05/25/11 19:26	1
Total Volatile Solids	82		0.010		%			05/25/11 19:37	1
Percent Solids	45		0.10		%			05/28/11 11:53	1
Percent Moisture	55		0.10		%			05/28/11 11:53	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	1.5				%			06/07/11 12:20	1
Coarse Sand	1.0				%			06/07/11 12:20	1
Medium Sand	17.6				%			06/07/11 12:20	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-1-052311

Lab Sample ID: 580-26360-1

Date Collected: 05/23/11 10:10

Matrix: Solid

Date Received: 05/24/11 16:00

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Fine Sand	19.2				%			06/07/11 12:20	1
Very Fine Sand	1.1				%			06/07/11 12:20	1
Silt	48.1				%			06/07/11 12:20	1
Clay	11.5				%			06/07/11 12:20	1

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Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-2-052311

Lab Sample ID: 580-26360-2

Date Collected: 05/23/11 10:35

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 43.0

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
alpha-BHC	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
beta-BHC	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
delta-BHC	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
gamma-BHC (Lindane)	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
4,4'-DDD	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
4,4'-DDE	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
4,4'-DDT	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
Dieldrin	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Endosulfan I	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/27/11 18:30	1
Endosulfan II	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
Endosulfan sulfate	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Endrin	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Endrin aldehyde	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Heptachlor	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Heptachlor epoxide	ND	H *	2.2		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
Methoxychlor	ND	H	22		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
Endrin ketone	ND	H	4.4		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
Toxaphene	ND	H	220		ug/Kg	*	07/19/11 09:57	07/22/11 01:55	1
alpha-Chlordane	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/27/11 18:30	1
gamma-Chlordane	ND	H	2.2		ug/Kg	*	07/19/11 09:57	07/26/11 18:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	13	X	49 - 123				07/19/11 09:57	07/22/11 01:55	1
DCB Decachlorobiphenyl	10	X	40 - 158				07/19/11 09:57	07/22/11 01:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		6.9		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Lead	150		3.4		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Antimony	ND		6.9		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Cadmium	6.8		1.1		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Copper	41		2.3		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Manganese	220		2.3		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1
Zinc	2800		4.6		mg/Kg	*	07/15/11 13:12	07/15/11 22:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	47000		2000		mg/Kg			06/13/11 18:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	41		0.0084		%			05/25/11 19:26	1
Total Volatile Solids	63		0.0084		%			05/25/11 19:37	1
Percent Solids	43		0.10		%			05/28/11 11:53	1
Percent Moisture	57		0.10		%			05/28/11 11:53	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/07/11 12:20	1
Coarse Sand	0.2				%			06/07/11 12:20	1
Medium Sand	0.3				%			06/07/11 12:20	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-2-052311

Lab Sample ID: 580-26360-2

Date Collected: 05/23/11 10:35

Matrix: Solid

Date Received: 05/24/11 16:00

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Fine Sand	10.2				%			06/07/11 12:20	1
Very Fine Sand	3.4				%			06/07/11 12:20	1
Silt	76.8				%			06/07/11 12:20	1
Clay	9.1				%			06/07/11 12:20	1

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Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-3-052311

Lab Sample ID: 580-26360-3

Date Collected: 05/23/11 11:10

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 40.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
alpha-BHC	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
beta-BHC	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
delta-BHC	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
gamma-BHC (Lindane)	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
4,4'-DDD	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
4,4'-DDE	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
4,4'-DDT	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
Dieldrin	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Endosulfan I	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/27/11 18:49	1
Endosulfan II	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
Endosulfan sulfate	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Endrin	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Endrin aldehyde	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Heptachlor	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Heptachlor epoxide	ND	H *	2.3		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
Methoxychlor	ND	H	23		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
Endrin ketone	ND	H	4.7		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
Toxaphene	ND	H	230		ug/Kg	*	07/19/11 09:57	07/22/11 02:15	1
alpha-Chlordane	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/27/11 18:49	1
gamma-Chlordane	ND	H	2.3		ug/Kg	*	07/19/11 09:57	07/26/11 19:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	9	X	49 - 123				07/19/11 09:57	07/22/11 02:15	1
DCB Decachlorobiphenyl	8	X	40 - 158				07/19/11 09:57	07/22/11 02:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.5		6.1		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Lead	180		3.0		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Antimony	ND		6.1		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Cadmium	7.8		1.0		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Copper	52		2.0		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Manganese	270		2.0		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1
Zinc	2700		4.1		mg/Kg	*	07/15/11 13:12	07/15/11 22:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	36000		2000		mg/Kg			06/13/11 18:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	44		0.0079		%			05/25/11 19:26	1
Total Volatile Solids	60		0.0079		%			05/25/11 19:37	1
Percent Solids	40		0.10		%			05/28/11 11:53	1
Percent Moisture	60		0.10		%			05/28/11 11:53	1

Method: D422 - Grain Size

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Gravel	0.0				%			06/07/11 12:20	1
Coarse Sand	0.0				%			06/07/11 12:20	1
Medium Sand	0.7				%			06/07/11 12:20	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-3-052311

Lab Sample ID: 580-26360-3

Date Collected: 05/23/11 11:10

Matrix: Solid

Date Received: 05/24/11 16:00

Method: D422 - Grain Size (Continued)

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Fine Sand	2.4				%			06/07/11 12:20	1
Very Fine Sand	1.0				%			06/07/11 12:20	1
Silt	61.9				%			06/07/11 12:20	1
Clay	34.0				%			06/07/11 12:20	1

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QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-90711/1-A
Matrix: Solid
Analysis Batch: 90894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90711

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
alpha-BHC	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
beta-BHC	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
delta-BHC	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
4,4'-DDD	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
4,4'-DDE	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
4,4'-DDT	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Dieldrin	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endosulfan I	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endosulfan II	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endosulfan sulfate	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endrin	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endrin aldehyde	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Heptachlor	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Heptachlor epoxide	ND	^	1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Methoxychlor	ND	^	10		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Endrin ketone	ND		2.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
Toxaphene	ND	^	100		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
alpha-Chlordane	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1
gamma-Chlordane	ND		1.0		ug/Kg		07/19/11 09:57	07/21/11 20:24	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	88		49 - 123	07/19/11 09:57	07/21/11 20:24	1
DCB Decachlorobiphenyl	89		40 - 158	07/19/11 09:57	07/21/11 20:24	1

Lab Sample ID: LCS 580-90711/2-A
Matrix: Solid
Analysis Batch: 90894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
alpha-BHC	20.0	18.1		ug/Kg		91	41 - 128
beta-BHC	20.0	18.5		ug/Kg		93	48 - 121
delta-BHC	20.0	18.1		ug/Kg		91	22 - 153
gamma-BHC (Lindane)	20.0	20.3		ug/Kg		102	50 - 127
4,4'-DDD	20.0	19.8		ug/Kg		99	44 - 141
4,4'-DDE	20.0	19.8		ug/Kg		99	47 - 140
4,4'-DDT	20.0	21.3		ug/Kg		107	34 - 159
Dieldrin	20.0	20.4		ug/Kg		102	53 - 134
Endosulfan I	20.0	17.9		ug/Kg		90	52 - 122
Endosulfan II	20.0	19.9		ug/Kg		100	53 - 132
Endosulfan sulfate	20.0	19.4		ug/Kg		97	42 - 128
Endrin	20.0	21.0		ug/Kg		105	46 - 138
Endrin aldehyde	20.0	19.7		ug/Kg		99	12 - 179
Heptachlor	20.0	19.1		ug/Kg		96	50 - 130
Heptachlor epoxide	20.0	24.7	^ *	ug/Kg		124	49 - 123
Methoxychlor	20.0	18.1	^	ug/Kg		91	46 - 154
Endrin ketone	20.0	19.5		ug/Kg		98	45 - 127

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-90711/2-A

Matrix: Solid

Analysis Batch: 90894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
alpha-Chlordane	20.0	17.0		ug/Kg		85	46 - 118	
gamma-Chlordane	20.0	20.1		ug/Kg		101	49 - 122	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	94		49 - 123
DCB Decachlorobiphenyl	94		40 - 158

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-90516/21-A

Matrix: Solid

Analysis Batch: 90595

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90516

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Lead	ND		1.5		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Antimony	ND		3.0		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Cadmium	ND		0.50		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Copper	ND		1.0		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Manganese	ND		1.0		mg/Kg		07/15/11 13:13	07/15/11 19:25	1
Zinc	ND		2.0		mg/Kg		07/15/11 13:13	07/15/11 19:25	1

Lab Sample ID: LCS 580-90516/22-A

Matrix: Solid

Analysis Batch: 90595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	197		mg/Kg		99	80 - 120	
Lead	50.0	48.2		mg/Kg		96	80 - 120	
Antimony	150	145		mg/Kg		97	80 - 120	
Cadmium	5.00	4.83		mg/Kg		97	80 - 120	
Copper	25.0	25.1		mg/Kg		100	80 - 120	
Manganese	50.0	49.3		mg/Kg		99	80 - 120	
Zinc	50.0	50.8		mg/Kg		102	80 - 120	

Lab Sample ID: LCSD 580-90516/23-A

Matrix: Solid

Analysis Batch: 90595

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits	RPD	Limit	
Arsenic	200	193		mg/Kg		97	80 - 120	2	20	
Lead	50.0	47.6		mg/Kg		95	80 - 120	1	20	
Antimony	150	143		mg/Kg		95	80 - 120	2	20	
Cadmium	5.00	4.75		mg/Kg		95	80 - 120	2	20	
Copper	25.0	24.5		mg/Kg		98	80 - 120	2	20	
Manganese	50.0	48.4		mg/Kg		97	80 - 120	2	20	
Zinc	50.0	49.2		mg/Kg		98	80 - 120	3	20	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 580-90516/24-A
Matrix: Solid
Analysis Batch: 90595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90516

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	109	104		mg/Kg		95	71.1 - 128.9	
Lead	152	161		mg/Kg		106	75.3 - 125.1	
Antimony	121	76.8		mg/Kg		63	21.0 - 251.6	
Cadmium	110	114		mg/Kg		104	73.2 - 126.8	
Copper	84.7	72.9		mg/Kg		86	73.2 - 126.8	
Manganese	443	454		mg/Kg		103	75.8 - 124.5	
Zinc	299	299		mg/Kg		100	72.2 - 127.8	

Method: 160.3 - Solids, Total (TS)

Lab Sample ID: 580-26360-1 DU
Matrix: Solid
Analysis Batch: 86746

Client Sample ID: E-WetSed-1-052311
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD
								Limit
Percent Solids	26		22.2		%		14	20

Method: 160.4 - Solids, Total Volatile (TVS)

Lab Sample ID: 580-26360-1 DU
Matrix: Solid
Analysis Batch: 86747

Client Sample ID: E-WetSed-1-052311
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD
								Limit
Total Volatile Solids	82		84.7		%		3	20

Method: 9060_PSEP - TOC (Puget Sound)

Lab Sample ID: MB 580-87833/3
Matrix: Solid
Analysis Batch: 87833

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analized	Dil Fac
Total Organic Carbon	ND		2000		mg/Kg			06/13/11 18:05	1

Lab Sample ID: LCS 580-87833/4
Matrix: Solid
Analysis Batch: 87833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Total Organic Carbon	2720	4100		mg/Kg		151	34 - 166	

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-1-052311

Lab Sample ID: 580-26360-1

Date Collected: 05/23/11 10:10

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 44.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			90711	07/19/11 09:57	GH	TAL SEA
Total/NA	Analysis	8081A		1	90894	07/22/11 01:36	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91217	07/26/11 18:26	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91333	07/27/11 18:10	MAM	TAL SEA
Total/NA	Prep	3050B			90516	07/15/11 13:12	ZF	TAL SEA
Total/NA	Analysis	6010B		1	90595	07/15/11 21:59	SP	TAL SEA
Total/NA	Analysis	160.3		1	86746	05/25/11 19:26	AM	TAL SEA
Total/NA	Analysis	160.4		1	86747	05/25/11 19:37	AM	TAL SEA
Total/NA	Analysis	Moisture		1	86888	05/28/11 11:53	MT	TAL SEA
Total/NA	Analysis	9060_PSEP		1	87833	06/13/11 18:05	SH	TAL SEA
Total/NA	Analysis	D422		1	87687	06/07/11 12:20	AO	TAL SEA

Client Sample ID: E-WetSed-2-052311

Lab Sample ID: 580-26360-2

Date Collected: 05/23/11 10:35

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 43.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			90711	07/19/11 09:57	GH	TAL SEA
Total/NA	Analysis	8081A		1	90894	07/22/11 01:55	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91217	07/26/11 18:46	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91333	07/27/11 18:30	MAM	TAL SEA
Total/NA	Prep	3050B			90516	07/15/11 13:12	ZF	TAL SEA
Total/NA	Analysis	6010B		1	90595	07/15/11 22:06	SP	TAL SEA
Total/NA	Analysis	160.3		1	86746	05/25/11 19:26	AM	TAL SEA
Total/NA	Analysis	160.4		1	86747	05/25/11 19:37	AM	TAL SEA
Total/NA	Analysis	Moisture		1	86888	05/28/11 11:53	MT	TAL SEA
Total/NA	Analysis	9060_PSEP		1	87833	06/13/11 18:05	SH	TAL SEA
Total/NA	Analysis	D422		1	87687	06/07/11 12:20	AO	TAL SEA

Client Sample ID: E-WetSed-3-052311

Lab Sample ID: 580-26360-3

Date Collected: 05/23/11 11:10

Matrix: Solid

Date Received: 05/24/11 16:00

Percent Solids: 40.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			90711	07/19/11 09:57	GH	TAL SEA
Total/NA	Analysis	8081A		1	90894	07/22/11 02:15	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91217	07/26/11 19:05	MAM	TAL SEA
Total/NA	Analysis	8081A		1	91333	07/27/11 18:49	MAM	TAL SEA
Total/NA	Prep	3050B			90516	07/15/11 13:12	ZF	TAL SEA
Total/NA	Analysis	6010B		1	90595	07/15/11 22:12	SP	TAL SEA
Total/NA	Analysis	160.3		1	86746	05/25/11 19:26	AM	TAL SEA
Total/NA	Analysis	160.4		1	86747	05/25/11 19:37	AM	TAL SEA
Total/NA	Analysis	Moisture		1	86888	05/28/11 11:53	MT	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Client Sample ID: E-WetSed-3-052311

Lab Sample ID: 580-26360-3

Date Collected: 05/23/11 11:10

Matrix: Solid

Date Received: 05/24/11 16:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared Or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	9060_PSEP		1	87833	06/13/11 18:05	SH	TAL SEA
Total/NA	Analysis	D422		1	87687	06/07/11 12:20	AO	TAL SEA

Laboratory References:

SC0178 = Nautilus Environmental, 5009 Pacific Hwy. East, Suite 2, Tacoma, WA 98424

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310



Certification Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26360-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26360-1	E-WetSed-1-052311	Solid	05/23/11 10:10	05/24/11 16:00
580-26360-2	E-WetSed-2-052311	Solid	05/23/11 10:35	05/24/11 16:00
580-26360-3	E-WetSed-3-052311	Solid	05/23/11 11:10	05/24/11 16:00

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**Test America
Sediment Characterization - Toxicological Results**

Final Report

Report date: July 27, 2011

Submitted to:

Washington Laboratory
5009 Pacific Hwy East
Suite 2
Tacoma, WA 98424

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424

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SIGNATURE PAGE



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1.0 INTRODUCTION

On May 23rd, 2011 Test America collected freshwater sediments for biological testing. Test America contracted with Nautilus Environmental to provide toxicity-testing services for the project. The three sediment samples selected for testing included samples E-WetSed-1-052311 (WETSED-1), E-WetSed-2-052311 (WETSED-2), and E-WetSed-3-052311 (WETSED-3). No reference sample was collected in conjunction with this project. The freshwater sediment samples were tested for toxicity using the *Chironomus dilutus* (aka *tentans*) 20-day survival and growth bioassay (USEPA 2000 and ASTM 2000), the *Hyalella azteca* 10-day survival bioassay (USEPA 2000 and ASTM 2000), and the 15-minute 100 percent porewater Microtox[®] bacteria bioluminescence test. All tests met negative and positive control criteria.

Results were evaluated by comparing test data to the criteria in the Sediment Evaluation Framework for the Pacific Northwest (RSET 2009) guidance document. *C. dilutus*, *H. azteca*, and Microtox results were compared to control results, and examined for statistically significant effects ($\alpha = 0.05$). Acceptability criteria from the literature are summarized in Table 1.

Table 1 Acceptability criteria for bioassays

Test Type	<i>C. dilutus</i> 20-Day	<i>H. azteca</i> 10-Day	Microtox
Endpoint	Survival and Growth	Survival	Luminescence
Source	RSET 2009	RSET 2009	RSET 2009
Test Criteria	One-hit failure is mortality > control mortality + 25% <u>and/or</u> biomass <60% of control biomass <u>and</u> significant difference Two-hit failure is mortality > control mortality + 15% <u>and/or</u> biomass <75% of control biomass <u>and</u> significant difference	One-hit failure is mortality > control mortality + 25% <u>and</u> significant difference Two-hit failure is mortality > control mortality + 10% <u>and</u> significant difference	One-hit failure is Luminescence <75% of control luminescence <u>and</u> significant difference Two-hit failure is Luminescence <85% of control luminescence <u>and</u> significant difference
Control Criteria	Negative control \leq 32% mortality and growth \geq 0.48 mg/ind. ash-free dry weight	Negative control \leq 20% mortality	Negative control final light output > 72% of initial output

2.0 SAMPLES

Upon receipt of samples from Test America, samples were matched with the chain-of-custody form and inspected. Samples were stored at $4 \pm 2^{\circ}\text{C}$ in the dark prior to test initiation. Toxicity tests were initiated within 2 weeks of collection (Table 2). Total ammonia levels in the porewater ranged from <1.0 to 2.7 milligrams per liter (mg/L). Both overlying ammonia and sulfides were also measured during testing, and the results are reported in the QA/QC sections for each test.

Table 2 Summary of sample collection and test initiation dates

Sample ID	Collection Date	Microtox Test Initiation Date	<i>H. azteca</i> Test Initiation Date	<i>C. dilutus</i> Test Initiation Date
E-WetSed-1-052311	May 23, 2011	June 6, 2011	June 7, 2011	June 9, 2011
E-WetSed-2-052311				
E-WetSed-3-052311				

3.0 *CHIRONOMUS DILUTUS* TEST

3.1 Methods

C. dilutus were exposed to test sediments for 20 days to determine the effects of site sediment on survival and growth. These tests were conducted according to methods presented in USEPA (2000) and ASTM (2000), and are summarized in Table 3.

C. dilutus egg cases were obtained from Aquatic BioSystems (Fort Collins, Colorado) and arrived at the laboratory on June 8, 2011. The egg cases were transported in insulated containers in oxygen-saturated water contained in 500-mL plastic bottles. Upon arrival at the laboratory, water quality parameters were measured and observations of organism condition were made. The egg cases were 20°C at receipt, and were cultured at 23°C . The organisms emerged from the egg cases on June 9th and tests were initiated the same day.

One day prior to test initiation (Day -1), the sediment samples were homogenized, 100-ml of sediment was distributed to each of eight labeled test chambers for each of the samples, and

175-ml diluted mineral water (prepared by diluting two parts Perrier® into eight parts deionized water) was added to each container. Control sediment consisted of clean, rinsed silica sand (50/50 mix of #30 and #70) mixed with peat moss (1/2 Tbsp) that was rinsed overnight in diluted mineral water. Eight test chambers were also prepared for the control sediment. An additional replicate was included for each sediment sample and the control sediment as a sacrificial test chamber for routine water quality measurements.

The test chambers were randomized and the sediments were left to settle overnight. On Day 0, overlying ammonia, sulfide, hardness, alkalinity, dissolved oxygen (DO), pH, conductivity, and temperature were measured. Twelve organisms were directly added to each test chamber, in random order.

Each test chamber was provided 1.5 mL of food daily (after the second renewal) starting on Day -1. The food consisted of a mixture of 4 g ground Tetrafin® flakes mixed with 1 L diluted mineral water. The feeding regime was reduced if the presence of excess food was observed on the sediment surface in several test chambers, which occurred on Day 8 only. Abnormal conditions or unusual animal behavior, if observed, were noted daily.

Temperature, DO, pH, and conductivity were monitored daily in the water quality replicate for each sample, while alkalinity, hardness, ammonia and sulfides were measured on Days 5, 10, and 15. Water was renewed twice daily.

At test termination, subsamples of overlying water were collected from each water quality replicate for ammonia, hardness, alkalinity, and sulfide analyses. The contents of each test chamber were gently mixed to suspend the sediment and poured through a 0.5-mm Nitex screen. The sediment was rinsed through the screen using dechlorinated tap water. Animals were removed from the screen and the number of survivors counted and recorded. Presence of pupae, flies, or exuviae (molts) were noted. The larvae were rinsed with deionized water and placed into pre-ashed, pre-weighed weigh boats. The weigh boats were placed in an oven at 60°C for at least 24-hours, then placed in a dessicator until dry weight could be measured. The weigh boats were then placed in a muffle furnace at 550°C for two hours, placed in a dessicator to cool, then weighed again to determine the ash weight. The ash weight was subtracted from the dry weight to determine the ash-free dry weight (AFDW). The number and AFDW of surviving chironomids were evaluated statistically by one-tailed t-test, or one-tailed Mann-Whitney U-test, as appropriate, to determine whether the samples exhibited a significant

decrease in survival or growth relative to the control ($p < 0.05$). Survival data were arcsine transformed, while growth data was either square root or log transformed as needed to stabilize the variances and improve normality of the data prior to performing the t-test. Data that failed to meet parametric assumptions even after transformations were analyzed with the non-parametric Mann-Whitney U-test. Site performance was evaluated against the sediment acceptability criteria outlined in RSET 2009 (Table 1). The criteria for acceptable test performance were an average of ≤ 32 percent mortality of control organisms, and an average of at least 0.48 mg/individual AFDW per surviving control organism.

A 96-hour reference toxicant test using copper chloride (CuCl_2) was conducted concurrently with the tests on the sediments to determine whether the sensitivity of the test organisms was appropriate. This test was run with four replicates, ten animals per replicate, in diluted mineral water at 23°C , with a small amount of clean control sand as a substrate. Tetrafin® slurry (1.25 mL of 4 g/L Tetrafin) was added to each chamber on days 0 and 2.

Table 3 Summary of methods for the 20-day test with *Chironomus dilutus*

Test initiation date	June 9, 2011
Test termination date	June 29, 2011
Test organism source	Aquatic BioSystems; Fort Collins, Colorado
Organism age at test initiation	< 4 hours post-emergence from egg case
Feeding	1.5 mL of 4.0 g/L Tetrafin mixture every day; frequency reduced if excess food observed
Test chamber	475-mL glass beaker
Test sediment volume	100 mL
Dilution water type & volume	175 mL diluted mineral water
Water renewal	Twice daily
Control sediment	Sand mixed with peat (1/2 Tbsp)
Number of organisms/replicate	12
Number of replicates/sample	8 plus water quality surrogates
Test temperature	$23 \pm 1^\circ\text{C}$
Illumination	16 hours light : 8 hours dark
Aeration	Started on Day 13
Reference toxicant	Copper chloride
Acceptability Criteria	$\leq 32\%$ mortality, 0.48 mg/individual AFDW

3.2 Results

The results of toxicity tests conducted using *C. dilutus* are provided in Table 4. Statistics were conducted using Biostat software, which follows the flowchart recommended by RSET. Comparisons are shown to the control. A detailed summary of results is provided in Appendix A. Summary and detailed statistical analyses for endpoint measurements are provided in Appendix B. Summaries of water quality data are provided in Appendix C. Benchsheets are provided in Appendix D.

Table 4 Results of *Chironomus dilutus* tests. Samples with statistically reduced survival or growth are underlined, and values failing two-hit RSET criteria are shaded gray, while samples failing one-hit RSET criteria are bold.^{1,2}

Sample	Percent Mortality (Mean ± SD)	Mortality Percent Difference From	Ash-Free Dry Weight per Org (mg)	Ash-Free Dry Weight Percent of Control
Control	6.3 ± 7.4	--	0.91 ± 0.11	--
WETSED-1	20.8 ± 21.4	14.6	1.11 ± 0.46	123
WETSED-2	<u>24.0 ± 12.9</u>	17.7	0.87 ± 0.22	96
WETSED-3	<u>63.5 ± 31.2</u>	57.3	0.60 ± 0.57	66

¹Criteria for one-hit failure is significant decrease in mortality (p<0.05), **and** mortality greater than 25% of control (RSET 2009), ²Criteria for two-hit failure is significant decrease in mortality (p<0.05), **and** mortality greater than 15% of control (RSET 2009)

3.3 QA/QC

The *C. dilutus* were received in good condition for the June 9, 2011 test. All water quality parameters remained within acceptable ranges throughout the tests. A summary of the water quality parameters is presented in Table 5. Dissolved oxygen levels were decreased to a level on concern on day 13, and all replicates were aerated from that point forward. There were no deviations from the protocols. The toxicity test for mortality with this species met the control acceptability criterion (<32 percent mortality; >0.48 mg/ind AFDW).

Table 5 Summary of water quality parameters for *C. dilutus* tests (means and ranges). Required values are shown in brackets.

Analyte	Control	WETSED-1	WETSED-2	WETSED-3
	Mean (Min-Max)			
Temp. (°C) [23 ± 1°C]	22.0 (21.7-22.2)	22.0 (21.8-22.2)	21.9 (21.7-22.1)	21.9 (21.7-22.1)
DO (mg/L) [>2.5 mg/L]	6.7 (3.3-9.0)	6.7 (3.5-9.0)	7.1 (5.2-9.1)	7.0 (5.2-9.0)
pH [6-9]	7.34 (6.58-7.99)	7.18 (6.43-7.89)	7.13 (6.46-7.80)	7.35 (6.80-7.99)
Cond. (µS/cm) [NA]	208 (127-296)	180 (149-227)	249 (158-413)	251 (192-382)
Alkalinity (mg/L CaCO ₃) [<50% variable]	58 (48-72)	65 (60-68)	69 (64-72)	85 (80-88)
Hardness (mg/L CaCO ₃) [<50% variable]	83 (80-88)	98 (80-108)	195 (84-228)	122 (100-140)
Total Overlying NH ₃ (mg/L) [<50% variable]	1.6 (1.1-1.7)	1.2 ^a (<1.0-1.3)	1.3 ^a (<1.0-1.3)	<1.0 (<1.0-<1.0)
Total Overlying Sulfides (mg/L) [NA]	0.035 ^a (<0.010-0.058)	0.028 ^a (<0.010-0.054)	0.044 ^a (<0.010-0.044)	0.020 ^a (<0.010-0.021)

^a estimated value

The result of the reference toxicant test conducted in conjunction with this testing program is provided in Table 6. Bench sheets and control charts are provided in Appendix E. This test was run with the same batch of organisms used in the testing program. The result of this test fell within the range of mean ± two standard deviations of historical results, indicating that the sensitivity of the test organisms was appropriate.

Table 6 *C. dilutus* reference toxicant test results.

Species	Test date	Toxicant	LC50	Acceptable Range	CV (%)
<i>Chironomus dilutus</i>	June 23, 2011	Cu	571 µg/L	401 - 1070 µg/L	22.7

3.4 Discussion

Mortality in the samples ranged from 20.8 to 63.5 percent, compared with 6.3 percent in the control. Sediment samples WETSED-2 and WETSED-3 were significantly different from control and were more than 15 percent higher than the control, failing the two-hit criterion for survival. WETSED-3 was also more than 25 percent higher than the control, failing the one-hit criterion for survival. Survival in WETSED-1 was not significantly different from the control, due to high

variability in the sample. Growth in the samples ranged from 0.60 to 1.11 mg/individual AFDW, compared with 0.91 mg/individual AFDW in the control. Growth in sample WETSED-1 was greater than the control. Growth in WETSED-2 and WETSED-3 was not significantly different from the control. Therefore none of the sites fail either the one- or two-hit failure requirements.

The total ammonia level reached 1.3 mg/L in the test sediments, which was well below the reported 4-day lethal concentration for 50% of test organisms (LC₅₀) range for *C. dilutus* of 82 to 370 mg/L (USEPA 2000). While sulfide toxicity thresholds are not available for this species, they were measured as part of the Ecology reference site study (Nautilus 2008), and samples with porewater sulfide values similar (0.226 to >0.600 mg/L) to the values found in the current study (0.010 to 0.054 mg/L) did not result in measurable effects. Therefore, it is unlikely that ammonia or sulfide levels caused the observed increases in mortality in the test sediments.

4.0 *HYALELLA AZTECA* TEST

4.1 Methods

H. azteca were exposed to test sediments for 10 days to determine the effects of site sediments on survival. These tests were conducted according to methods presented in USEPA (2000) and ASTM (2000), and are summarized in Table 7.

H. azteca were obtained from Aquatic Indicators (St. Augustine, Florida) and arrived at the laboratory on June 2, 2011. The organisms were transported in insulated boxes in oxygen-saturated water contained in plastic bags with fine screens as a substrate. Upon arrival at the laboratory, water quality parameters were measured and observations of animal condition were made. The organisms were acclimated to test conditions prior to test initiation over a 96-hour time period. During the acclimation period, the animals were observed for any indication of stress or significant mortality and any observations were recorded.

One day prior to test initiation (Day -1), the sediment samples were homogenized, 100-ml sediment was distributed to each of eight labeled test chambers for each of the samples, and 175-ml diluted mineral water (prepared by diluting two parts Perrier® into eight parts deionized water) was added to each container. Control sediment consisted of clean, rinsed silica sand (50/50 mix of #30 and #70) mixed with peat moss (1/2 Tbsp) that was rinsed

overnight in diluted mineral water. Eight test chambers were also prepared for the control sediment. An additional replicate was included for each sediment sample and the control sediment as a sacrificial test chamber for routine water quality measurements.

The test chambers were randomized and the sediments were left to settle overnight. On Day 0, overlying ammonia, sulfide, hardness, alkalinity, dissolved oxygen (DO), pH, conductivity, and temperature were measured. Organisms were carefully separated into groups of 10 amphipods in 30 mL cups containing diluted mineral water. The number of organisms was then recounted and any animals exhibiting signs of stress were replaced. The organisms were then gently added to the test chambers, two cups for each test chamber for a total of 20 organisms per chamber.

Temperature, DO, pH, and conductivity were monitored daily in the water quality replicate for each sample, while overlying ammonia, sulfide, hardness, and alkalinity were monitored on Day 5. Water was renewed twice daily in all chambers. Abnormal conditions or unusual animal behavior, if observed, were also noted daily. Each test chamber was fed 1 ml of Yeast Trout Chow (YTC) daily after the second renewal.

At test termination, subsamples of overlying water were collected for ammonia, hardness, alkalinity, and sulfides analyses, from each water quality replicate. The contents of each test chamber were gently mixed to suspend the sediment and poured through a 0.5-mm Nitex screen. The sediment was rinsed through the screen using dechlorinated tap water. The screen was then placed in diluted mineral water and the number of survivors counted and recorded. The number of surviving amphipods was evaluated statistically by one-tailed t-test, or one-tailed Mann-Whitey U-test, as appropriate, to determine whether the samples exhibited a significant decrease in survival relative to the control ($p < 0.05$). Survival data was arcsin transformed as needed to stabilize the variances and improve normality of the data. Site performance was evaluated against sediment acceptability criteria outlined by the Northwest Regional Sediment Evaluation Framework (RSET 2009), as presented in Table 1.

A 96-hour reference toxicant test using copper chloride (CuCl_2) was conducted concurrently with the sediment tests to determine whether the sensitivity of the test organisms was within the range typically observed. The test was run with four replicates, ten animals per replicate, in diluted mineral water with a square of nitex screen as a substrate.

Table 7 Summary of methods for the 10-day test with *Hyalella azteca*.

Test initiation date	June 7, 2011
Test termination date	June 17, 2011
Test organism source	Aquatic Indicators, St. Augustine, Florida
Organism age at test initiation	8 days
Feeding	1 ml of YTC daily
Test chamber	475-ml glass beaker
Test sediment volume	100 ml
Dilution water type & volume	175 ml diluted mineral water
Water renewal	Twice daily
Control sediment	Sand mixed with peat (1/2 Tbsp)
Number of organisms/replicate	10
Number of replicates/sample	8 plus water quality surrogate
Test temperature	23 ± 1°C
Illumination	16 hours light: 8 hours dark
Aeration	None
Reference toxicant	Copper chloride
Acceptability criterion for control	≥80% survival

4.2 Results

The results of toxicity tests conducted using *H. azteca* are provided in Table 8. Statistics were conducted using Biostat software, which follows the flowchart recommended by RSET. Comparisons are shown to the control. A detailed summary of results is provided in Appendix A. Summary and detailed statistical analyses for endpoint measurements are provided in Appendix B. Summaries of water quality data are provided in Appendix C. Benchsheets are provided in Appendix D.

Table 8 Results of *Hyaella azteca* tests. Samples with statistically reduced survival or are underlined, and values failing two-hit RSET criteria are shaded gray, while samples failing one-hit RSET criteria are bold.^{1,2}

Sample	Percent Mortality (Mean ± SD)	Mortality Percent Difference from Control
Control	1.3 ± 2.3	--
WETSED-1	<u>100 ± 0.0</u>	98.7
WETSED-2	<u>13.8 ± 11.6</u>	12.5
WETSED-3	3.8 ± 4.4	2.5

¹Criteria for one-hit failure is significant decrease in mortality (p<0.05), and mortality greater than 25% of control (RSET 2009), ²Criteria for two-hit failure is significant decrease in mortality (p<0.05), and mortality greater than 10% of control (RSET 2009)

4.3 QA/QC

The *H. azteca* were received in good condition and the toxicity tests with this species met the control acceptability criterion (<20 percent mortality). A summary of the water quality parameters is provided in Table 10. All water quality parameters remained within acceptable ranges throughout the tests. Instead of the 10 animals per replicate required by the protocol, 20 animals were added to each replicate. As the controls still met acceptability criteria and water quality stayed within ranges for the test, this deviation is not expected to have affected the results. There were no other deviations from the protocol.

Table 9 Summary of water quality parameters for *H. azteca* analyses (means and ranges). Required values are shown in brackets.

Analyte	Control	WETSED-1	WETSED-2	WETSED-3
	Mean (Min-Max)			
Temp. (°C)	22.3	22.2	22.2	22.2
[23 ± 1°C]	(21.9-23.4)	(21.9-23.3)	(21.9-23.3)	(21.8-23.2)
DO (mg/L)	7.0	6.3	6.4	6.5
[>2.5 mg/L]	(5.8-8.4)	(5.4-7.3)	(5.4-7.2)	(5.6-7.3)
pH	7.26	6.83	6.83	7.01
[6-9]	(6.50-7.79)	(6.22-7.20)	(6.35-7.18)	(6.63-7.37)
Cond. (µS/cm)	172	188	283	223
[NA]	(145-189)	(164-262)	(190-418)	(159-343)
Alkalinity (mg/L CaCO ₃)	52	67	75	72
[<50% variable]	(44-60)	(60-72)	(64-80)	(68-76)
Hardness (mg/L CaCO ₃)	69	129	199	180
[<50% variable]	(60-76)	(124-132)	(192-204)	(172-188)
Total Overlying NH ₃	1.0 ^a	1.0 ^a	1.0 ^a	1.0 ^a
(mg/L) [<50% variable]	(<1.0-<1.0)	(<1.0-1.0)	(<1.0-<1.0)	(<1.0-<1.0)
Total Overlying Sulfides	0.091 ^a	0.114	0.058	0.091 ^a
(mg/L) [<50% variable]	(<0.010-0.125)	(0.014-0.293)	(0.012-0.126)	(<0.010-0.107)

^aestimated value

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The result of the reference toxicant test conducted in conjunction with this testing program is provided in Table 10. Bench sheets and control charts are provided in Appendix E. This test was run with the same batch of organisms used in the testing program. The result of this test fell within the range of mean \pm two standard deviations of historical results, indicating that the sensitivity of the test organisms was appropriate.

Table 10 H. Azteca reference toxicant test results.

Species	Test date	Toxicant	LC50	Acceptable Range	CV (%)
<i>Hyalella azteca</i>	June 2, 2011	Cu	188 $\mu\text{g/L}$	0 - 1360 $\mu\text{g/L}$	74.6

4.4 Discussion

Mortality in the samples ranged from 3.8 to 100 percent, compared with 1.3 percent in the control. Sediment samples WETSED-1 and WETSED-2 were significantly different from control and were more than 10 percent higher than the control, failing the two-hit criterion for survival. WETSED-1 was more than 25 percent higher than the control, failing the one-hit criterion for survival.

5.0 MICROTOX® TEST

5.1 Methods

The luminescent marine bacterium *Vibrio fischeri* was used as the test organism for the Microtox test. The bacteria were exposed to porewater extracted from sediment samples and light readings were measured after 5 and 15 minutes of exposure. Test equipment included the Microtox Model 500 Analyzer, which measures light output and is equipped with a 15°C chamber to maintain test temperature in the samples and a 4°C chamber to keep the rehydrated bacteria chilled.

Vials of freeze-dried bacteria (Microtox® Acute Reagent Lot #s 10K1032, expiration date 10/2012) were obtained from Strategic Diagnostics, Inc. and stored at -20°C until use. On the day of the test, a vial was rehydrated with 1.0 ml of Microtox Reconstitution Solution, mixed thoroughly, and allowed to equilibrate for 30 minutes at 4°C. The bacteria were used within 2 hours of rehydration.

The tests were conducted in accordance with Ecology (2008) test protocol; these methods are summarized in Table 11. Approximately 50 ml of porewater was extracted from each sample by centrifuging for 30 minutes at 4500 G. Each porewater extract was adjusted to a salinity of 20 parts per thousand (ppt) with Crystal Sea Marine Mix artificial seasalt. The DO ranged from 7.2 to 8.2 mg/L in the adjusted samples. Since the DO in each sample was between 50 and 100 percent saturation (5.0 to 10.2 mg/L), the samples did not require aeration. The pH was adjusted to 7.8 to 8.2 using NaOH or HCl. None of the porewater samples were diluted below 90 percent. The control was deionized water adjusted to 20 ppt with artificial seasalt. Each porewater was tested within 3 hours of extraction.

Tests were conducted using five replicates. Disposable glass cuvettes were placed in the Microtox test wells and 1 ml of salinity-adjusted porewater was added. The rehydrated bacteria (reagent) were thoroughly mixed and 10 μ l was added to each test cuvette, with mixing after each addition. After an initial incubation period of 5 minutes, the control cuvette was placed in the read chamber of the Microtox Analyzer to set the instrument. Initial light readings (I_0) were then taken by placing each cuvette in the read chamber of the Microtox Analyzer and measurements were recorded on a data sheet. Light output was measured at 5 minutes (I_5) and 15 minutes (I_{15}) of exposure after the initial light reading (I_0).

Test acceptability criteria were final mean control light output greater than or equal to 72 percent of initial control mean output, and test mean output not greater than 110 percent of control mean output. The data were evaluated statistically by conducting one-tailed t-tests or Mann-Whitney U-tests on the change in output over time for test sediment porewaters compared to the control porewater (where light output was lower than the control). Sediment performance was evaluated against sediment acceptability criteria outlined by the Northwest Regional Sediment Evaluation Framework (RSET 2009), as presented in Table 1.

A reference toxicant test using phenol was conducted in conjunction with the sediment tests to ensure that the sensitivity of the test was within the acceptable range of historical values determined in this laboratory.

Table 11 Summary of methods for the Microtox test.

Test dates	June 6, 2011
Test organism source	Strategic Diagnostics
Batch number and expiration date	Lot#10K1032, Expiration 10/2012
Control	Saltwater (20 ppt) prepared with Crystal Sea artificial seasalt
Sample preparation	Centrifugation at 4500 G for 30 minutes; salinity adjustment to 20 ppt using Crystal Sea salt; pH adjustment to 7.8-8.2 ppt; DO 5.0 to 10.2 mg/L
Test chamber	Glass cuvette
Test volume	1 mL
Volume of inoculum/replicate	10 µL
Number of replicates/sample	5
Test temperature	15 ± 1°C
Aeration	None
Reference toxicant	Phenol
Acceptability criteria	Final control light output ≥72% initial; test output ≤110% control

5.2 Results

The results of toxicity tests conducted using Microtox are provided in Table 12. Statistics were conducted using Biostat software, which follows the flowchart recommended by RSET. Comparisons are shown to the control. A detailed summary of results is provided in Appendix A. Summary and detailed statistical analyses for endpoint measurements are provided in Appendix B. Summaries of water quality data are provided in Appendix C. Benchsheets are provided in Appendix D.

Table 12 Results of Microtox tests. Samples with statistically reduced luminescence are underlined, and values failing two-hit RSET criteria are shaded gray, while samples failing one-hit RSET criteria are bold.^{1,2}

Sample	5 minute reading		15 minute reading	
	Mean % of initial light output	Significantly different relative to the control	Mean % of initial light output	Significantly different relative to the control
Control	96 ± 3	--	84 ± 3	--
WETSED-1	<u>68 ± 4</u>	Yes	<u>17 ± 1</u>	Yes
WETSED-2	<u>72 ± 1</u>	Yes	<u>25 ± 1</u>	Yes
WETSED-3	<u>81 ± 1</u>	Yes	<u>35 ± 2</u>	Yes

¹Criteria for one-hit failure is luminescence less than 75% of control luminescence **and** significant difference (RSET 2009); ²Criteria for two-hit failure is luminescence less than 85% of control luminescence **and** significant difference (RSET 2009)

5.3 QA/QC

A summary of the water quality parameters for the Microtox tests is provided in Table 13. The Microtox tests met control acceptance criteria and there were no deviations from protocol.

Table 13 Summary of sites water quality parameters for Microtox analyses

Analyte	Mean (st.dev)	Minimum	Maximum	Number of Readings	Met Requirements
Initial Salinity (ppt)	1.1 (0.3)	0.8	1.3	3	N/A
Final Salinity (ppt)	19.9 (0.4)	19.5	20.2	3	Y
Initial DO (mg/L)	7.3 (0.2)	7.2	7.5	3	N/A
Final DO (mg/L)	7.3 (0.2)	7.2	7.5	3	Y
Initial pH	7.5 (0.4)	7.2	7.9	3	N/A
Final pH	7.9 (0.02)	7.9	7.9	3	Y
Final Concentration (%)	99.9 (0.0)	99.0	100	3	Y
Total NH3 (mg/L)	2.0 (1.0) ¹	<1.0	2.7	3	N/A

¹estimated value

Results of the reference toxicant test conducted in conjunction with this testing program are provided in Table 14. Bench sheets and control charts are provided in Appendix E. The test was run with the same batch of organisms used in the testing program. The results of this test fell within the range of mean ± two standard deviations of historical results, indicating that the sensitivity of the test organisms was appropriate.

Table 14 Microtox reference toxicant test results.

Species	Test date	Toxicant	EC50	Acceptable Range (mean ± 2 S.D.)	CV (%)
Microtox	June 6, 2011	Phenol	5 min: 19.6 mg/L	5 min: 24.2 - 55.1	19.5
			15 min: 40.9 mg/L	15 min: 31.0 - 92.2	24.8

5.4 Discussion

Change in light output in the samples at 15 minutes ranged from 17 to 35 percent, compared with 84 percent in the controls. Samples WETSED1, WETSED2, and WETSED3 were all significantly different from the controls and had luminescence less than 75% of controls, failing the one-hit criteria for luminescence.

6.0 CONCLUSIONS

WETSED-1 failed the one-hit criterion for *H. azteca* survival and the one-hit criterion for Microtox luminescence, but did not have a hit in the *C. dilutus* survival or growth criterion (RSET 2009). WETSED-2 failed the two-hit criterion for *C. dilutus* and *H. azteca* survival, and failed the one-hit criterion for Microtox luminescence (RSET 2009). WETSED-3 failed the one-hit criterion for *C. dilutus* survival and Microtox luminescence (RSET 2009).

Table 15 One-hit/Two-hit criteria summary results table

Site	<i>C. dilutus</i> Survival	<i>C. dilutus</i> Growth	<i>H. azteca</i> Survival	Microtox Luminescence
WETSED-1	None	None	One-hit	One-hit
WETSED-2	Two-hit	None	Two-hit	One-hit
WETSED-3	One-hit	None	None	One-hit

7.0 REFERENCES

- American Society of Testing and Materials (ASTM). 2000. Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. ASTM Designation E 1706-00.
- Nautilus Environmental. 2008. Evaluation of Candidate Freshwater Sediment Reference Sites-Toxicological Results. Final Report.
- Regional Sediment Evaluation Team (RSET). 2009. Sediment Evaluation Framework for the Pacific Northwest. May 2009.
- U.S. Environmental Protection Agency (USEPA). 2000. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates. EPA/600/R-99/064.
- Washington Department of Ecology. 2008. Sediment Sampling and Analysis Plan Appendix: Guidance on the Development of Sediment Sampling and Analysis Plans Meeting the Requirements of the Sediment Management Standards Publication No. 03-09-043. Revised February 2008.
- Washington Department of Ecology. 2009. Baseline Characterization of Nine Proposed Freshwater Sediment Reference Sites, 2008. Publication Number 09-03-032.

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APPENDIX A - Results Summaries

Appendix A-1. 20-Day Solid Phase *Chironomous dilutus* Survival & Growth
Test America Sediment Characterization

Test Initiation: June 9, 2011

^aNumber of pupae and flies
^bAFDW = Ash-Free Dry Weight. Weights are for larvae only, not pupated animals
^cOne-tailed t-test. Survival data arcsine square-root transformed prior to analysis. Growth data either square root or log transformed prior to analysis Alpha = 0.05
 Shaded values fail RSET one-hit criteria (Test sediment mortality >25% and significantly different; Test sediment Growth/Control sediment Growth <0.7 and significantly different)

Site	Replicate	Rnd. No.	# Alive	# Pupated ^a	% Mortality	% Mortality	Mean % Mortality	St Dev	AFDW per Org (mg)	Mean AFDW per Org (mg)	St Dev	Significant Decrease Compared to Control ^c	
												Survival	Growth
Control	1	9	10	0	16.7				0.83				
	2	6	12	0	0.0				0.87				
	3	15	11	0	8.3				0.86				
	4	11	12	0	0.0				0.93				
	5	5	10	0	16.7	6.3	7.4		1.02	0.91	0.11	--	--
	6	16	12	0	0.0				1.00				
	7	14	12	0	0.0				1.04				
	8	3	11	0	8.3				0.72				
WETSED-1	1	1	12	0	0.0				1.00				
	2	2	12	0	0.0				0.76				
	3	10	10	0	16.7				0.43				
	4	8	7	0	41.7	20.8	21.4		1.06	1.11	0.46	No	No
	5	12	12	0	0.0				1.58				
	6	4	9	0	25.0				1.77				
	7	7	5	0	58.3				0.83				
	8	13	9	0	25.0				1.48				
WETSED-2	1	1	9	0	25.0				0.95				
	2	2	10	0	16.7				0.66				
	3	10	9	0	25.0				1.10				
	4	8	10	0	16.7	24.0	12.9		0.66	0.87	0.22	Yes	No
	5	12	8	0	33.3				1.26				
	6	4	12	0	0.0				0.78				
	7	7	7	0	41.7				0.74				
	8	13	8	0	33.3				0.81				
WETSED-3	1	1	4	0	66.7				1.63				
	2	2	9	0	25.0				0.61				
	3	10	1	0	91.7				0.14				
	4	8	0	0	100.0	63.5	31.2		0.00	0.60	0.57	Yes	No
	5	12	0	0	100.0				0.00				
	6	4	5	0	58.3				0.49				
	7	7	8	0	33.3				0.94				
	8	13	8	0	33.3				1.01				



**Appendix Table A-2. *Hyalella azteca* 10-day Survival
Test America Sediment Characterization**

Test Initiation: June 7, 2011

Site	Rep	# Alive	% Mortality	Mean % Mortality	St. Dev.	Significant Decrease Compared to Control ^a
Control	1	20	0	1.3	2.3	--
	2	20	0			
	3	20	0			
	4	19	5			
	5	20	0			
	6	20	0			
	7	19	5			
	8	20	0			
WETSED-1	1	0	100	100.0	0.0	Yes
	2	0	100			
	3	0	100			
	4	0	100			
	5	0	100			
	6	0	100			
	7	0	100			
	8	0	100			
WETSED-2	1	18	10	13.8	11.6	Yes
	2	19	5			
	3	19	5			
	4	16	20			
	5	14	30			
	6	14	30			
	7	20	0			
	8	18	10			
WETSED-3	1	20	0	3.8	4.4	No
	2	19	5			
	3	18	10			
	4	18	10			
	5	19	5			
	6	20	0			
	7	20	0			
	8	20	0			

^a One-tailed t-test. Survival data arcsine square-root transformed prior to analysis. Alpha = 0.05

Shaded values fail RSET one-hit criteria (Test sediment mortality - Control sediment mortality >25% and significantly different)

Bold values fail RSET two-hit criteria (Test sediment mortality - Control sediment mortality >10% and significantly different)

**Appendix Table A-3. Microtox 100 Percent Sediment Porewater Test
 Test America Sediment Characterization
 Client: Test America
 Test Date: 6/6/2011**

Site	Light Reading								$T_{(mean)}/C_{(mean)}$	Quality Control Steps	
	Reading	Replicate					Mean	St.Dev.		Change in control light readings compared to initial control $F_{c(mean)/I_{c(mean)}}$	Evaluation of initial light output in site sediments $(0)T_{(mean)}/I_{(0)C_{(mean)}}$
		1	2	3	4	5					
CON	$I_{(0)}$	96	100	104	102	98	100	3.16			
	$I_{(5)}$	90	100	98	96	94	96	3.85		0.96	
	$I_{(15)}$	82	80	85	85	87	84	2.77		0.84	
	$C_{(5)}$	0.94	1.00	0.94	0.94	0.96	0.96	0.03			
	$C_{(15)}$	0.85	0.80	0.82	0.83	0.89	0.84	0.03			
WETSED-1	$I_{(0)}$	80	75	75	80	77	77	2.51			0.77
	$I_{(5)}$	58	49	54	51	53	53	3.39			
	$I_{(15)}$	13	13	12	13	14	13	0.71			
	$T_{(5)}$	0.73	0.65	0.72	0.64	0.69	0.68	0.04	0.72		
	$T_{(15)}$	0.16	0.17	0.16	0.16	0.18	0.17	0.01	0.20		
WETSED-2	$I_{(0)}$	81	84	74	78	79	79	3.70			0.79
	$I_{(5)}$	57	59	54	56	57	57	1.82			
	$I_{(15)}$	19	21	19	19	21	20	1.10			
	$T_{(5)}$	0.70	0.70	0.73	0.72	0.72	0.72	0.01	0.75		
	$T_{(15)}$	0.23	0.25	0.26	0.24	0.27	0.25	0.01	0.30		
WETSED-3	$I_{(0)}$	74	78	77	77	75	76	1.64			0.76
	$I_{(5)}$	59	64	63	63	60	62	2.17			
	$I_{(15)}$	25	26	29	29	26	27	1.87			
	$T_{(5)}$	0.80	0.82	0.82	0.82	0.80	0.81	0.01	0.85		
	$T_{(15)}$	0.34	0.33	0.38	0.38	0.35	0.35	0.02	0.42		

$I_{(0)}$ is the light reading after the initial five minute incubation period

$I_{(5)}$ is the light reading five minutes after $I_{(0)}$

$I_{(15)}$ is the light reading fifteen minutes after $I_{(0)}$

$C_{(t)}$, $R_{(t)}$, and $T_{(t)}$ are the changes in light readings from the initial reading in each sample container for the control, reference sediment



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APPENDIX B - Statistical Analyses

Project Name: Test America

Sample: x1
 Samp ID: WETSED-1
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 1.114
 SD: 0.458
 Tr Mean: 0.316
 Trans SD: 0.096

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 0.909
 SD: 0.11
 Tr Mean: 0.28
 Trans SD: 0.025

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.061 SS: 0.07 K: 8 b: 0.258 Alpha Level: 0.05 Calculated Value: 0.9586 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.075 Test Residual SD: 0.053 Ref. Residual Mean: 0.02 Ref. Residual SD: 0.013 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 2.8368 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: Log10 (x + 1.0) Experimental Hypothesis Null: x1 >= x2 Alternate: x1 < x2 Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: -1.0133 Critical Value: >= 1.860 Accept Null Hypothesis: Yes Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	1	0.301	0.83	0.262	0.015	0.018			-0.161
2	0.76	0.246	0.87	0.272	0.07	0.008			-0.07
3	0.43	0.155	0.86	0.27	0.161	0.011			-0.053
4	1.06	0.314	0.93	0.286	0.002	0.005			-0.045
5	1.58	0.412	1.02	0.305	0.096	0.025			-0.018
6	1.77	0.442	1	0.301	0.127	0.021			-0.015
7	0.83	0.262	1.04	0.31	0.053	0.03			-0.011
8	1.48	0.394	0.72	0.236	0.079	0.045			-0.008
9									-0.002
10									0.005
11									0.021
12									0.025
13									0.03
14									0.079
15									0.096
16									0.127

Project Name: Test America

Sample: x1
 Samp ID: WETSED-1
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 20.838
 SD: 21.358
 Tr Mean: 21.765
 Trans SD: 19.595

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 6.25
 SD: 7.397
 Tr Mean: 10.216
 Trans SD: 11.272

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 13.721 SS: 3577.056 K: 8 b: 57.669 Alpha Level: 0.05 Calculated Value: 0.9297 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 16.324 Test Residual SD: 8.912 Ref. Residual Mean: 10.216 Ref. Residual SD: 2.788 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 1.85 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 11 Experimental Alpha Level: 0.05 Calculated Value: 1.445 Critical Value: >= 1.796 Accept Null Hypothesis: Yes Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0	0	16.7	24.12	21.765	13.904			-21.765
2	0	0	0	0	21.765	10.216			-21.765
3	16.7	24.12	8.3	16.744	2.355	6.528			-21.765
4	41.7	40.222	0	0	18.457	10.216			-10.216
5	0	0	16.7	24.12	21.765	13.904			-10.216
6	25	30	0	0	8.235	10.216			-10.216
7	58.3	49.778	0	0	28.013	10.216			-10.216
8	25	30	8.3	16.744	8.235	6.528			2.355
9									6.528
10									6.528
11									8.235
12									8.235
13									13.904
14									13.904
15									18.457
16									28.013

Project Name: Test America

Sample: x1
 Samp ID: WETSED1
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 100
 SD: 0
 Tr Mean: 0.76
 Trans SD: 0

Ref Samp: x2
 Ref ID: Control
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 1.25
 SD: 2.315
 Tr Mean: -0.76
 Trans SD: 0.373

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: Residual SD: SS: K: b: Alpha Level: N/A Calculated Value: N/A Critical Value: N/A Normally Distributed: N/A Override Option: Not Invoked	Test Residual Mean: 0 Test Residual SD: 0 Ref. Residual Mean: 0.302 Ref. Residual SD: 0.187 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 4.5826 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: Rankits Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 7 Experimental Alpha Level: 0.05 Calculated Value: 11.5223 Critical Value: >= 1.895 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Shapiro-Wilk Residuals
1	100	0.76	0	-0.962	0	0.202	-0.962	
2	100	0.76	0	-0.962	0	0.202	-0.962	
3	100	0.76	0	-0.962	0	0.202	-0.962	
4	100	0.76	5	-0.156	0	0.605	-0.962	
5	100	0.76	0	-0.962	0	0.202	-0.962	
6	100	0.76	0	-0.962	0	0.202	-0.962	
7	100	0.76	5	-0.156	0	0.605	-0.156	
8	100	0.76	0	-0.962	0	0.202	-0.156	
9							0.76	
10							0.76	
11							0.76	
12							0.76	
13							0.76	
14							0.76	
15							0.76	
16							0.76	

Project Name: Test America

Sample: x1
 Samp ID: WETSED-1
 Alias: Luminescence
 Replicates: 5
 Mean: 0.686
 SD: 0.04
 Tr Mean: 4.749
 Trans SD: 0.14

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence
 Replicates: 5
 Mean: 0.956
 SD: 0.026
 Tr Mean: 5.611
 Trans SD: 0.076

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.073 SS: 0.102 K: 5 b: 0.308 Alpha Level: 0.05 Calculated Value: 0.9312 Critical Value: <= 0.842 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.114 Test Residual SD: 0.058 Ref. Residual Mean: 0.056 Ref. Residual SD: 0.043 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 1.7951 Critical Value: >= 1.860 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x_1 \geq x_2$ Alternate: $x_1 < x_2$ Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: 12.0584 Critical Value: >= 1.860 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.73	4.901	0.94	5.564	0.152	0.047			-0.161
2	0.65	4.624	1	5.739	0.125	0.129			-0.125
3	0.72	4.868	0.94	5.564	0.118	0.047			-0.047
4	0.64	4.589	0.94	5.564	0.161	0.047			-0.047
5	0.69	4.765	0.96	5.623	0.016	0.012			-0.047
6									0.012
7									0.016
8									0.118
9									0.129
10									0.152

Project Name: Test America

Sample: x1
 Samp ID: WETSED-1
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.166
 SD: 0.009
 Tr Mean: 2.334
 Trans SD: 0.062

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.838
 SD: 0.034
 Tr Mean: 5.251
 Trans SD: 0.107

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.057 SS: 0.061 K: 5 b: 0.239 Alpha Level: 0.05 Calculated Value: 0.9289 Critical Value: ≤ 0.842 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.05 Test Residual SD: 0.027 Ref. Residual Mean: 0.08 Ref. Residual SD: 0.059 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 1.0345 Critical Value: ≥ 1.860 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x1 \geq x2$ Alternate: $x1 < x2$ Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: 52.6779 Critical Value: ≥ 1.860 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.16	2.292	0.85	5.29	0.042	0.038			-0.12
2	0.17	2.363	0.8	5.132	0.029	0.12			-0.056
3	0.16	2.292	0.82	5.195	0.042	0.056			-0.042
4	0.16	2.292	0.83	5.227	0.042	0.024			-0.042
5	0.18	2.432	0.89	5.413	0.097	0.162			-0.042
6									-0.024
7									0.029
8									0.038
9									0.097
10									0.162

Project Name: Test America

Sample: x1
 Samp ID: WETSED-2
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 0.87
 SD: 0.217
 Tr Mean: 0.269
 Trans SD: 0.049

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 0.909
 SD: 0.11
 Tr Mean: 0.28
 Trans SD: 0.025

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.033 SS: 0.021 K: 8 b: 0.141 Alpha Level: 0.05 Calculated Value: 0.9478 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.04 Test Residual SD: 0.024 Ref. Residual Mean: 0.02 Ref. Residual SD: 0.013 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 1.9909 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: Log10 (x + 1.0) Experimental Hypothesis Null: x1 >= x2 Alternate: x1 < x2 Degrees of Freedom: 11 Experimental Alpha Level: 0.05 Calculated Value: 0.5526 Critical Value: >= 1.796 Accept Null Hypothesis: Yes Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.95	0.29	0.83	0.262	0.021	0.018			-0.049
2	0.66	0.22	0.87	0.272	0.049	0.008			-0.049
3	1.1	0.322	0.86	0.27	0.053	0.011			-0.045
4	0.66	0.22	0.93	0.286	0.049	0.005			-0.029
5	1.26	0.354	1.02	0.305	0.085	0.025			-0.019
6	0.78	0.25	1	0.301	0.019	0.021			-0.018
7	0.74	0.241	1.04	0.31	0.029	0.03			-0.012
8	0.81	0.258	0.72	0.236	0.012	0.045			-0.011
9									-0.008
10									0.005
11									0.021
12									0.021
13									0.025
14									0.03
15									0.053
16									0.085

Project Name: Test America

Sample: x1
 Samp ID: WETSED-2
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 23.963
 SD: 12.933
 Tr Mean: 27.369
 Trans SD: 12.382

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 6.25
 SD: 7.397
 Tr Mean: 10.216
 Trans SD: 11.272

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 10.163 SS: 1962.613 K: 8 b: 42.307 Alpha Level: 0.05 Calculated Value: 0.912 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 8.466 Test Residual SD: 8.45 Ref. Residual Mean: 10.216 Ref. Residual SD: 2.788 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 0.5562 Critical Value: >= 1.761 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 14 Experimental Alpha Level: 0.05 Calculated Value: 2.8974 Critical Value: >= 1.761 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	25	30	16.7	24.12	2.631	13.904			-27.369
2	16.7	24.12	0	0	3.248	10.216			-10.216
3	25	30	8.3	16.744	2.631	6.528			-10.216
4	16.7	24.12	0	0	3.248	10.216			-10.216
5	33.3	35.244	16.7	24.12	7.875	13.904			-10.216
6	0	0	0	0	27.369	10.216			-3.248
7	41.7	40.222	0	0	12.853	10.216			-3.248
8	33.3	35.244	8.3	16.744	7.875	6.528			2.631
9									2.631
10									6.528
11									6.528
12									7.875
13									7.875
14									12.853
15									13.904
16									13.904

Project Name: Test America

Sample: x1
 Samp ID: WETSED2
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 13.75
 SD: 11.573
 Tr Mean: 19.462
 Trans SD: 11.307

Ref Samp: x2
 Ref ID: Control
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 1.25
 SD: 2.315
 Tr Mean: 3.23
 Trans SD: 5.981

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 7.764 SS: 1145.389 K: 8 b: 31.911 Alpha Level: 0.05 Calculated Value: 0.8891 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 8.65 Test Residual SD: 6.507 Ref. Residual Mean: 4.845 Ref. Residual SD: 2.991 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 1.5026 Critical Value: >= 1.761 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 14 Experimental Alpha Level: 0.05 Calculated Value: 3.5891 Critical Value: >= 1.761 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	10	18.435	0	0	1.027	3.23			-19.462
2	5	12.921	0	0	6.541	3.23			-6.541
3	5	12.921	0	0	6.541	3.23			-6.541
4	20	26.565	5	12.921	7.103	9.691			-3.23
5	30	33.211	0	0	13.749	3.23			-3.23
6	30	33.211	0	0	13.749	3.23			-3.23
7	0	0	5	12.921	19.462	9.691			-3.23
8	10	18.435	0	0	1.027	3.23			-3.23
9									-3.23
10									-1.027
11									-1.027
12									7.103
13									9.691
14									9.691
15									13.749
16									13.749

Project Name: Test America

Sample: x1
 Samp ID: WETSED-2
 Alias: Luminescence 5
 Replicates: 5
 Mean: 0.714
 SD: 0.013
 Tr Mean: N/A
 Trans SD: N/A

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence 5
 Replicates: 5
 Mean: 0.956
 SD: 0.026
 Tr Mean: N/A
 Trans SD: N/A

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.041 SS: 0.032 K: 5 b: 0.16 Alpha Level: 0.05 Calculated Value: 0.8075 Critical Value: <= 0.842 Normally Distributed: No Override Option: Not Invoked	Test Residual Mean: 0.038 Test Residual SD: 0.016 Ref. Residual Mean: 0.056 Ref. Residual SD: 0.043 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 0.8791 Critical Value: >= 1.860 Variances Homogeneous: Yes	Statistic: Mann-Whitney Balanced Design: Yes Transformation: rank-order Experimental Hypothesis Null: $x1 \geq x2$ Alternate: $x1 < x2$ Mann-Whitney N1: 5 Mann-Whitney N2: 5 Degrees of Freedom: Experimental Alpha Level: 0.05 Calculated Value: 25 Critical Value: >= 21.000 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.7	1.5	0.94	7	0.048	0.047	1.5		-0.048
2	0.7	1.5	1	10	0.048	0.129	1.5		-0.048
3	0.73	5	0.94	7	0.054	0.047	3.5		-0.047
4	0.72	3.5	0.94	7	0.021	0.047	3.5		-0.047
5	0.72	3.5	0.96	9	0.021	0.012	5		-0.047
6							7		0.012
7							7		0.021
8							7		0.021
9							9		0.054
10							10		0.129

Project Name: Test America

Sample: x1
 Samp ID: WETSED-2
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.25
 SD: 0.016
 Tr Mean: 2.865
 Trans SD: 0.091

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.838
 SD: 0.034
 Tr Mean: 5.251
 Trans SD: 0.107

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.064 SS: 0.079 K: 5 b: 0.274 Alpha Level: 0.05 Calculated Value: 0.9565 Critical Value: ≤ 0.842 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.069 Test Residual SD: 0.048 Ref. Residual Mean: 0.08 Ref. Residual SD: 0.059 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 0.326 Critical Value: ≥ 1.860 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x1 \geq x2$ Alternate: $x1 < x2$ Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: 38.0359 Critical Value: ≥ 1.860 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.23	2.749	0.85	5.29	0.116	0.038			-0.12
2	0.25	2.866	0.8	5.132	0.001	0.12			-0.116
3	0.26	2.923	0.82	5.195	0.058	0.056			-0.057
4	0.24	2.808	0.83	5.227	0.057	0.024			-0.056
5	0.27	2.979	0.89	5.413	0.114	0.162			-0.024
6									0.001
7									0.038
8									0.058
9									0.114
10									0.162

Project Name: Test America

Sample: x1
 Samp ID: WETSED-3
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 0.603
 SD: 0.572
 Tr Mean: 0.181
 Trans SD: 0.154

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Growth
 Replicates: 8
 Mean: 0.909
 SD: 0.11
 Tr Mean: 0.28
 Trans SD: 0.025

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.094 SS: 0.17 K: 8 b: 0.397 Alpha Level: 0.05 Calculated Value: 0.9275 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.123 Test Residual SD: 0.079 Ref. Residual Mean: 0.02 Ref. Residual SD: 0.013 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 3.668 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: Log10 (x + 1.0) Experimental Hypothesis Null: x1 >= x2 Alternate: x1 < x2 Degrees of Freedom: 7 Experimental Alpha Level: 0.05 Calculated Value: 1.8016 Critical Value: >= 1.895 Accept Null Hypothesis: Yes Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	1.63	0.42	0.83	0.262	0.239	0.018			-0.181
2	0.61	0.207	0.87	0.272	0.026	0.008			-0.181
3	0.14	0.057	0.86	0.27	0.124	0.011			-0.124
4	0	0	0.93	0.286	0.181	0.005			-0.045
5	0	0	1.02	0.305	0.181	0.025			-0.018
6	0.49	0.173	1	0.301	0.008	0.021			-0.011
7	0.94	0.288	1.04	0.31	0.107	0.03			-0.008
8	1.01	0.303	0.72	0.236	0.122	0.045			-0.008
9									0.005
10									0.021
11									0.025
12									0.026
13									0.03
14									0.107
15									0.122
16									0.239

Project Name: Test America

Sample: x1
 Samp ID: WETSED-3
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 63.538
 SD: 31.175
 Tr Mean: 63.432
 Trans SD: 34.433

Ref Samp: x2
 Ref ID: Control
 Alias: Chironomid Mortality
 Replicates: 8
 Mean: 6.25
 SD: 7.397
 Tr Mean: 10.216
 Trans SD: 11.272

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 21.992 SS: 9188.96 K: 8 b: 90.436 Alpha Level: 0.05 Calculated Value: 0.89 Critical Value: <= 0.887 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 28.035 Test Residual SD: 16.953 Ref. Residual Mean: 10.216 Ref. Residual SD: 2.788 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 2.9335 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: 4.1544 Critical Value: >= 1.860 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	66.7	54.756	16.7	24.12	8.677	13.904			-33.433
2	25	30	0	0	33.433	10.216			-28.188
3	91.7	73.256	8.3	16.744	9.823	6.528			-28.188
4	100	114.591	0	0	51.159	10.216			-13.655
5	100	114.591	16.7	24.12	51.159	13.904			-10.216
6	58.3	49.778	0	0	13.655	10.216			-10.216
7	33.3	35.244	0	0	28.188	10.216			-10.216
8	33.3	35.244	8.3	16.744	28.188	6.528			-10.216
9									-8.677
10									6.528
11									6.528
12									9.823
13									13.904
14									13.904
15									51.159
16									51.159

Project Name: Test America

Sample: x1
 Samp ID: WETSED3
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 3.75
 SD: 4.432
 Tr Mean: 0.263
 Trans SD: 0.953

Ref Samp: x2
 Ref ID: Control
 Alias: Hyalella Mortality
 Replicates: 8
 Mean: 1.25
 SD: 2.315
 Tr Mean: -0.263
 Trans SD: 0.582

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: Residual SD: SS: K: b: Alpha Level: N/A Calculated Value: N/A Critical Value: N/A Normally Distributed: N/A Override Option: Not Invoked	Test Residual Mean: 0.84 Test Residual SD: 0.32 Ref. Residual Mean: 0.471 Ref. Residual SD: 0.291 Deg. of Freedom: 14 Alpha Level: 0.1 Calculated Value: 2.4118 Critical Value: >= 1.761 Variances Homogeneous: No	Statistic: Approximate t Balanced Design: Yes Transformation: Rankits Experimental Hypothesis Null: $x_1 \leq x_2$ Alternate: $x_1 > x_2$ Degrees of Freedom: 12 Experimental Alpha Level: 0.05 Calculated Value: 1.3315 Critical Value: >= 1.782 Accept Null Hypothesis: Yes Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Shapiro-Wilk Residuals
1	0	-0.577	0	-0.577	0.84	0.314	-0.577	
2	5	0.68	0	-0.577	0.417	0.314	-0.577	
3	10	1.526	0	-0.577	1.263	0.314	-0.577	
4	10	1.526	5	0.68	1.263	0.943	-0.577	
5	5	0.68	0	-0.577	0.417	0.314	-0.577	
6	0	-0.577	0	-0.577	0.84	0.314	-0.577	
7	0	-0.577	5	0.68	0.84	0.943	-0.577	
8	0	-0.577	0	-0.577	0.84	0.314	-0.577	
9							-0.577	
10							-0.577	
11							0.68	
12							0.68	
13							0.68	
14							0.68	
15							1.526	
16							1.526	

Project Name: Test America

Sample: x1
 Samp ID: WETSED-3
 Alias: Luminescence 5
 Replicates: 5
 Mean: 0.812
 SD: 0.011
 Tr Mean: N/A
 Trans SD: N/A

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence 5
 Replicates: 5
 Mean: 0.956
 SD: 0.026
 Tr Mean: N/A
 Trans SD: N/A

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.038 SS: 0.028 K: 5 b: 0.15 Alpha Level: 0.05 Calculated Value: 0.7975 Critical Value: <= 0.842 Normally Distributed: No Override Option: Not Invoked	Test Residual Mean: 0.031 Test Residual SD: 0.007 Ref. Residual Mean: 0.056 Ref. Residual SD: 0.043 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 1.3107 Critical Value: >= 1.860 Variances Homogeneous: Yes	Statistic: Mann-Whitney Balanced Design: Yes Transformation: rank-order Experimental Hypothesis Null: $x1 \geq x2$ Alternate: $x1 < x2$ Mann-Whitney N1: 5 Mann-Whitney N2: 5 Degrees of Freedom: Experimental Alpha Level: 0.05 Calculated Value: 25 Critical Value: >= 21.000 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.8	1.5	0.94	7	0.038	0.047	1.5		-0.047
2	0.82	4	1	10	0.026	0.129	1.5		-0.047
3	0.82	4	0.94	7	0.026	0.047	4		-0.047
4	0.82	4	0.94	7	0.026	0.047	4		-0.038
5	0.8	1.5	0.96	9	0.038	0.012	4		-0.038
6							7		0.012
7							7		0.026
8							7		0.026
9							9		0.026
10							10		0.129

Project Name: Test America

Sample: x1
 Samp ID: WETSED-3
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.356
 SD: 0.023
 Tr Mean: 3.419
 Trans SD: 0.111

Ref Samp: x2
 Ref ID: Control
 Alias: Luminescence 15
 Replicates: 5
 Mean: 0.838
 SD: 0.034
 Tr Mean: 5.251
 Trans SD: 0.107

Shapiro-Wilk Results:	Levene's Results:	Test Results:
Residual Mean: 0 Residual SD: 0.071 SS: 0.095 K: 5 b: 0.295 Alpha Level: 0.05 Calculated Value: 0.92 Critical Value: ≤ 0.842 Normally Distributed: Yes Override Option: N/A	Test Residual Mean: 0.092 Test Residual SD: 0.041 Ref. Residual Mean: 0.08 Ref. Residual SD: 0.059 Deg. of Freedom: 8 Alpha Level: 0.1 Calculated Value: 0.3728 Critical Value: ≥ 1.860 Variances Homogeneous: Yes	Statistic: Student's t Balanced Design: Yes Transformation: ArcSin Experimental Hypothesis Null: $x1 \geq x2$ Alternate: $x1 < x2$ Degrees of Freedom: 8 Experimental Alpha Level: 0.05 Calculated Value: 26.6272 Critical Value: ≥ 1.860 Accept Null Hypothesis: No Power: Min. Difference for Power:

Replicate Number	Test Data	Trans. Test Data	Reference Data	Trans. Reference Data	Levene's Test Residuals	Levene's Reference Residuals	Mann-Whitney Ranks	Rankits	Shapiro-Wilk Residuals
1	0.34	3.343	0.85	5.29	0.076	0.038			-0.126
2	0.33	3.293	0.8	5.132	0.126	0.12			-0.12
3	0.38	3.534	0.82	5.195	0.115	0.056			-0.076
4	0.38	3.534	0.83	5.227	0.115	0.024			-0.056
5	0.35	3.392	0.89	5.413	0.028	0.162			-0.028
6									-0.024
7									0.038
8									0.115
9									0.115
10									0.162

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APPENDIX C - Water Quality Summaries

**Appendix Table B-1. Twenty-Day Solid-Phase Results (*Chironomus tentans*)
Test America Sediment Characterization
Water Quality Data**

Initiated June 9, 2011

Control									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ (mg/l)	Total Sulfides (mg/l)	
0	21.7	8.4	6.58	150	48	80	1.1	0.058	
1	22.2	6.3	6.62	127	---	---	---	---	
2	22.0	6.4	7.12	165	---	---	---	---	
3	21.9	6.0	7.31	173	---	---	---	---	
4	22.1	5.8	6.94	216	---	---	---	---	
5	22.2	5.8	7.19	188	52	80	1.7	<0.010	
6	21.9	5.6	7.27	178	---	---	---	---	
7	22.0	5.0	7.11	217	---	---	---	---	
8	22.0	5.2	7.17	212	---	---	---	---	
9	22.2	6.0	7.14	195	---	---	---	---	
10	22.0	6.0	7.20	199	56	88	1.6	<0.010	
11	22.2	6.0	7.28	264	---	---	---	---	
12	22.1	5.6	7.20	195	---	---	---	---	
13	22.2	3.3	7.11	202	---	---	---	---	
14	22.1	8.3	7.86	296	---	---	---	---	
15	22.1	7.9	7.67	220	60	88	1.7	<0.010	
16	22.0	7.8	7.72	232	---	---	---	---	
17	21.9	9.0	7.92	276	---	---	---	---	
18	22.2	9.0	7.97	219	---	---	---	---	
19	21.9	8.9	7.83	248	---	---	---	---	
20	21.9	8.3	7.99	190	72	80	1.7	0.011	
Mean		6.7	7.34	208	58	83	1.6	nc	
Min	21.7	3.3	6.58	127	48	80	1.1	<0.010	
Max	22.2	9.0	7.99	296	72	88	1.7	0.058	



**Appendix Table B-1. Twenty-Day Solid-Phase Results (*Chironomus tentans*)
Test America Sediment Characterization
Water Quality Data**

Initiated June 9, 2011

WETSED-1									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ (mg/l)	Total Sulfides (mg/l)	
0	21.8	7.0	6.43	227	64	100	<1.0	0.016	
1	22.2	6.1	6.68	215	---	---	---	---	
2	21.9	6.0	6.98	200	---	---	---	---	
3	21.9	5.8	7.06	186	---	---	---	---	
4	22.1	6.6	6.65	185	---	---	---	---	
5	22.1	6.5	6.97	180	64	100	1.0	0.014	
6	22.0	5.6	7.09	175	---	---	---	---	
7	22.1	5.0	6.89	179	---	---	---	---	
8	22.0	5.3	7.02	180	---	---	---	---	
9	22.2	6.2	6.97	181	---	---	---	---	
10	22.2	6.0	7.00	180	68	104	1.2	<0.010	
11	22.2	5.5	7.08	190	---	---	---	---	
12	22.1	5.8	7.09	184	---	---	---	---	
13	22.2	3.5	7.04	186	---	---	---	---	
14	21.9	8.1	7.68	162	---	---	---	---	
15	22.0	7.7	7.67	171	68	108	1.3	<0.010	
16	22.0	7.8	7.69	178	---	---	---	---	
17	22.0	8.9	7.35	155	---	---	---	---	
18	22.1	8.9	7.89	159	---	---	---	---	
19	22.0	9.0	7.76	149	---	---	---	---	
20	21.8	8.4	7.70	153	60	80	<1.0	0.054	
Mean	22.0	6.7	7.18	180	65	98	nc	nc	
Min	21.8	3.5	6.43	149	60	80	<1.0	<0.010	
Max	22.2	9.0	7.89	227	68	108	1.3	0.054	



**Appendix Table B-1. Twenty-Day Solid-Phase Results (*Chironomus tentans*)
Test America Sediment Characterization
Water Quality Data**

Initiated June 9, 2011

WETSED-2									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ (mg/l)	Total Sulfides (mg/l)	
0	21.9	7.2	6.46	389	68	220	<1.0	<0.010	
1	22.1	6.9	6.75	413	---	---	---	---	
2	21.9	6.7	6.95	343	---	---	---	---	
3	21.8	5.9	6.98	308	---	---	---	---	
4	21.9	7.1	6.56	329	---	---	---	---	
5	22.0	6.6	6.81	283	72	220	<1.0	<0.010	
6	21.8	6.1	6.94	266	---	---	---	---	
7	21.9	5.2	6.87	254	---	---	---	---	
8	21.9	5.3	6.92	257	---	---	---	---	
9	22.0	6.7	6.86	238	---	---	---	---	
10	22.0	6.0	6.90	240	68	228	1.3	<0.010	
11	22.0	6.6	7.11	225	---	---	---	---	
12	22.0	6.5	7.05	214	---	---	---	---	
13	22.0	6.0	7.00	206	---	---	---	---	
14	22.0	8.4	7.74	191	---	---	---	---	
15	22.0	7.8	7.59	194	72	224	1.2	<0.010	
16	22.0	7.7	7.63	195	---	---	---	---	
17	22.0	8.9	7.28	176	---	---	---	---	
18	21.9	8.9	7.80	179	---	---	---	---	
19	21.7	9.1	7.76	158	---	---	---	---	
20	21.7	8.5	7.71	161	64	84	<1.0	0.044	
Mean	21.9	7.1	7.13	249	69	195	nc	nc	
Min	21.7	5.2	6.46	158	64	84	<1.0	<0.010	
Max	22.1	9.1	7.80	413	72	228	1.3	0.044	



**Appendix Table B-1. Twenty-Day Solid-Phase Results (*Chironomus tentans*)
Test America Sediment Characterization
Water Quality Data**

Initiated June 9, 2011

WETSED-3									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ (mg/l)	Total Sulfides (mg/l)	
0	21.9	6.3	6.80	382	84	116	<1.0	0.021	
1	22.1	6.5	7.19	373	---	---	---	---	
2	21.7	6.2	7.32	340	---	---	---	---	
3	21.9	6.0	7.30	301	---	---	---	---	
4	21.9	7.0	6.95	311	---	---	---	---	
5	22.0	6.3	7.10	274	84	120	<1.0	0.019	
6	21.8	5.9	7.19	252	---	---	---	---	
7	21.8	5.2	7.13	244	---	---	---	---	
8	21.9	5.3	7.15	247	---	---	---	---	
9	22.0	6.8	7.13	220	---	---	---	---	
10	22.0	6.2	7.15	244	88	136	<1.0	<0.010	
11	22.0	6.8	7.32	222	---	---	---	---	
12	22.0	6.7	7.24	212	---	---	---	---	
13	22.1	5.3	7.16	210	---	---	---	---	
14	21.9	8.7	7.92	193	---	---	---	---	
15	21.9	7.9	7.70	221	88	140	<1.0	<0.010	
16	22.0	7.8	7.67	219	---	---	---	---	
17	22.0	9.0	7.52	205	---	---	---	---	
18	21.9	8.9	7.99	217	---	---	---	---	
19	21.8	8.8	7.78	192	---	---	---	---	
20	21.7	8.4	7.73	196	80	100	<1.0	<0.010	
Mean	21.9	7.0	7.35	251	85	122	nc	nc	
Min	21.7	5.2	6.80	192	80	100	<1.0	<0.010	
Max	22.1	9.0	7.99	382	88	140	<1.0	0.021	



**Appendix Table B-2. Ten-Day Solid-Phase Results (*Hyalella Azteca*)
Test America Sediment Characterization
Water Quality Data
Initiated June 7, 2011**

Control									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Overlying NH ₃ (mg/l)	Overlying Sulfides (mg/l)	Overlying Sulfides (mg/l)
0	23.4	8.0	6.50	145	44	60	<1.0	<1.0	<0.010
1	22.8	7.1	6.79	149	---	---	---	---	---
2	22.4	6.8	6.81	162	---	---	---	---	---
3	22.3	7.0	7.77	189	---	---	---	---	---
4	21.9	6.2	7.43	180	---	---	---	---	---
5	21.9	6.8	7.51	172	52	72	<1.0	0.056	0.056
6	21.9	8.4	7.14	170	---	---	---	---	---
7	22.1	7.0	7.54	176	---	---	---	---	---
8	22.0	6.3	7.79	182	---	---	---	---	---
9	22.1	5.8	7.21	180	---	---	---	---	---
10	22.0	7.4	7.37	182	60	76	<1.0	nc	0.125
Mean	22.3	7.0	7.26	172	52	69	nc	nc	nc
Min	21.9	5.8	6.50	145	44	60	<1.0	<1.0	<0.010
Max	23.4	8.4	7.79	189	60	76	<1.0	<1.0	0.125

NC = Not Calculable

WETSED-1									
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ (mg/l)	Total Overlying Sulfides (mg/l)	Overlying Sulfides (mg/l)
0	23.3	6.6	6.27	262	60	124	<1.0	<1.0	0.014
1	22.8	6.0	6.22	232	---	---	---	---	---
2	22.1	6.4	6.39	202	---	---	---	---	---
3	22.3	6.1	7.20	189	---	---	---	---	---
4	22.0	6.1	7.02	184	---	---	---	---	---
5	21.9	6.2	7.00	174	68	132	<1.0	0.036	0.036
6	21.9	7.0	7.00	166	---	---	---	---	---
7	22.1	6.3	7.05	165	---	---	---	---	---
8	21.9	6.0	7.19	164	---	---	---	---	---
9	21.9	5.4	6.87	165	---	---	---	---	---
10	21.9	7.3	6.93	164	72	132	1.0	1.0	0.293
Mean	22.2	6.3	6.83	188	67	129	nc	nc	0.114
Min	21.9	5.4	6.22	164	60	124	<1.0	<1.0	0.014
Max	23.3	7.3	7.20	262	72	132	1.0	1.0	0.293

NC = Not Calculable



Appendix Table B-2. Ten-Day Solid-Phase Results (*Hyalella Azteca*)
 Test America Sediment Characterization
 Water Quality Data

Initiated June 7, 2011

WETSED-2										
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ Sulfides (mg/l)	Overlying NH ₃ Sulfides (mg/l)	Overlying Sulfides (mg/l)	Overlying Sulfides (mg/l)
0	23.3	6.9	6.45	418	64	192	<1.0	<1.0	0.012	0.012
1	22.8	6.2	6.35	402	---	---	---	---	---	---
2	22.2	6.4	6.41	334	---	---	---	---	---	---
3	22.3	6.4	7.18	314	---	---	---	---	---	---
4	21.9	6.1	6.99	273	---	---	---	---	---	---
5	21.9	6.3	6.97	277	80	200	<1.0	<1.0	0.037	0.037
6	22.0	7.2	6.65	253	---	---	---	---	---	---
7	22.1	6.8	7.02	241	---	---	---	---	---	---
8	21.9	6.1	7.17	210	---	---	---	---	---	---
9	22.0	5.4	6.89	201	---	---	---	---	---	---
10	21.9	7.1	7.05	190	80	204	<1.0	<1.0	0.126	0.126
Mean	22.2	6.4	6.83	283	75	199	nc	nc	0.058	0.058
Min	21.9	5.4	6.35	190	64	192	<1.0	<1.0	0.012	0.012
Max	23.3	7.2	7.18	418	80	204	<1.0	<1.0	0.126	0.126

NC = Not Calculable

WETSED-3										
Day	Temp (°C)	D.O. (mg/l)	pH (units)	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)	Hardness (mg/L CaCO3)	Total Overlying NH ₃ Sulfides (mg/l)	Overlying NH ₃ Sulfides (mg/l)	Overlying Sulfides (mg/l)	Overlying Sulfides (mg/l)
0	23.2	6.6	6.64	343	68	172	<1.0	<1.0	<0.010	<0.010
1	22.8	6.1	6.96	288	---	---	---	---	---	---
2	22.2	6.3	6.63	235	---	---	---	---	---	---
3	22.3	6.4	7.37	222	---	---	---	---	---	---
4	22.0	6.5	7.12	216	---	---	---	---	---	---
5	21.9	6.4	7.11	214	76	180	<1.0	<1.0	0.074	0.074
6	21.8	7.3	6.80	203	---	---	---	---	---	---
7	22.1	6.9	7.14	204	---	---	---	---	---	---
8	21.9	6.1	7.23	159	---	---	---	---	---	---
9	22.0	5.6	6.97	187	---	---	---	---	---	---
10	21.9	7.2	7.11	184	72	188	<1.0	<1.0	0.107	0.107
Mean	22.2	6.5	7.01	223	72	180	nc	nc	0.107	0.107
Min	21.8	5.6	6.63	159	68	172	<1.0	<1.0	<0.010	<0.010
Max	23.2	7.3	7.37	343	76	188	<1.0	<1.0	0.107	0.107

NC = Not Calculable



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APPENDIX D - Laboratory Bench Sheets

20 Day Toxicity Test Data Sheet -- Nautilus Environmental

Freshwater Sediment 20 Day Water Chemistries

Client: Test America Test #: Start Date & Time: 0/9/11 1100
 Site: LDN Test Organism: Chironomus tentans End Date & Time: 0/29/11 1300

Day	NH ₃ (mg/L)	Sulfide (mg/L)	Alk (mg/L as CaCO ₃)	Hard	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp. (°C)	Renewed		Fed	Tech. Initials
									am	pm		
0	1.1	0.058 ^①	48	80	6.58	150	8.4	21.7	✓	✓	✓	J
1					6.62	127	6.3	22.2	✓	✓	✓	MF
2					7.12	165	6.4	22.0	✓	✓	✓	MF
3					7.31	173	6.0	21.9	✓	✓	✓	MF
4					6.94	216	5.8	22.1	✓	✓	✓	BP
5	1.7	<0.01	52	80	7.19	188	5.8	22.2	✓	✓	✓	BP
6					7.27	178	5.6	21.9	✓	✓	✓	BP
7					7.11	217	5.0	22.0	✓	✓	✓	BP
8					7.17	212	5.3	22.0	✓	✓	②	BT
9					7.14	195	6.0	22.2	✓	✓	✓	CC
10	1.6	<0.01	56	88	7.20	199	6.0	22.0	✓	✓	✓	(M)
11					7.28	264	6.0	22.2	✓	✓	✓	BP
12					7.20	195	5.6	22.1	✓	✓	✓	BT
13					7.11	202	3.3	22.2	✓	✓	✓	J
14					7.86	296	8.3	22.1	✓	✓	✓	BP
15	1.7	<0.01	60	88	7.67	220	7.9	22.1	✓	✓	✓	MF
16					7.72	232	7.8	22.0	✓	✓	✓	BT
17					7.92	276	9.0	21.9	✓	✓	✓	(M)
18					7.97	219	9.0	22.2	✓	✓	✓	MF
19					7.83	248	8.9	21.9	✓	✓	✓	(M)
20	1.7	0.011	72	80	7.99	190	8.3	21.9	✓	✓	✓	BP

QA Check: CC Test Chamber: Rm A
 ① water subsample was dark - MF
 ② skipped due to extra food
 * Test initiation initiated April 13



20 Day Toxicity Test Data Sheet -- Nautilus Environmental

Freshwater Sediment 20 Day Water Chemistries

Client: Test America Test #: 11070-TJ26
 Site: WEISED I Test Organism: Chironomus tentans
 Start Date & Time: 6/9/11 1102
 End Date & Time: 6/29/11 1300

Day	NH ₃ (mg/L)	Sulfide (mg/L)	Alk (mg/L as CaCO ₃)	Hard	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp. (°C)	Renewed		Tech. Initials
									am	pm	
0	<1.0	0.016	64	100	6.43	227	7.0	21.8	✓	✓	JS
1					6.68	215	6.1	22.2	✓	✓	MF
2					6.98	200	6.0	21.9	✓	✓	MF
3					7.06	186	5.8	21.9	✓	✓	MF
4					6.65	185	6.6	22.1	✓	✓	BP
5	1.0	0.014	64	100	6.97	180	6.5	22.1	✓	✓	BP
6					7.09	175	5.6	22.0	✓	✓	BP
7					6.89	179	5.0	22.1	✓	✓	BP
8					7.02	180	5.3	22.0	✓	✓	BT
9					6.97	181	6.2	22.2	✓	✓	CC
10	1.2	<0.01	68	104	7.00	180	6.0	22.2	✓	✓	Ⓜ
11					7.08	190	5.5	22.2	✓	✓	BP
12					7.09	184	5.8	22.1	✓	✓	BT
13					7.04	186	3.5	22.2	✓	✓	JS
14					7.68	162	8.1	21.9	✓	✓	BP
15	1.3	<0.01	68	108	7.67	171	7.7	22.0	✓	✓	MF
16					7.69	178	7.8	22.0	✓	✓	BT
17					7.35	155	8.9	22.0	✓	✓	Ⓜ
18					7.89	159	8.9	22.1	✓	✓	MF
19					7.70	149	9.0	22.0	✓	✓	Ⓜ
20	<1.0	0.054	60	80	7.70	153	8.4	21.8			BP

QA Check: CC Test Chamber: Rm A
 Ⓞ Skipped due to excess food
 *Restoration initiated



20 Day Toxicity Test Data Sheet -- Nautilus Environmental

Freshwater Sediment 20 Day Water Chemistries

Client: Test America

Test #: 1100e-T027

Start Date & Time: 6/11/11 1100

Site: WFTSEZ

Test Organism: Chironomus tentans

End Date & Time: 6/29/11 1300

Day	NH ₃ (mg/L)	Sulfide (mg/L)	Alk (mg/L as CaCO ₃)	Hard	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp. (°C)	Renewed		Fed	Tech. Initials
									am	pm		
0	<1.0	<0.010	608	220	6.40	389	7.2	21.9	✓	✓	✓	DS
1					6.75	413	6.9	22.1	✓	✓	✓	MF
2					6.95	343	6.7	21.9	✓	✓	✓	MF
3					6.98	308	5.9	21.8	✓	✓	✓	MF
4					6.56	329	7.1	21.9	✓	✓	✓	BP
5	<1.0	<0.01	72	220	6.81	283	6.6	22.0	✓	✓	✓	BP
6					6.94	266	6.1	21.8	✓	✓	✓	BP
7					6.87	254	5.8	21.9	✓	✓	✓	BP
8					6.92	257	5.3	21.9	✓	✓	①	BT
9					6.86	238	6.7	22.0	✓	✓	✓	CC
10	1.3	<0.01	608	228	6.90	240	6.0	22.0	✓	✓	✓	(M)
11					7.11	225	6.6	22.0	✓	✓	✓	BP
12					7.05	214	6.5	22.0	✓	✓	✓	BT
13					7.00	206	6.0	22.0	✓	✓	✓	DS
14					7.14	191	8.4	22.0	✓	✓	✓	BP
15	1.2	<0.01	72	224	7.59	194	7.8	22.0	✓	✓	✓	MF
16					7.63	195	7.7	22.0	✓	✓	✓	BT
17					7.28	170	8.9	22.0	✓	✓	✓	(M)
18					7.80	179	8.9	21.9	✓	✓	✓	MF
19					7.76	158	9.1	21.7	✓	✓	✓	(M)
20	<1.0	0.044	64	84	7.71	161	8.5	21.7	✓	✓	✓	BP

QA Check: OL

Test Chamber: RM A

* Test aeration initiated

① Skipped due to cross food



20 Day Toxicity Test Data Sheet -- Nautilus Environmental

Freshwater Sediment 20 Day Water Chemistries

Client: Test America Test #: 1100-1028 Start Date & Time: 6/9/11 1100
 Site: WETSSED3 Test Organism: Chironomus tentans End Date & Time: 6/29/11 1300

Day	NH ₃ (mg/L)	Sulfide (mg/L)	Alk (mg/L as CaCO ₃)	Hard	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp. (°C)	Renewed		Tech. Initials
									am	pm	
0	<1.0	0.021	84	116	6.80	382	0.3	21.9	✓	✓	DS
1					7.19	373	6.5	22.1	✓	✓	MF
2					7.32	340	6.2	21.7	✓	✓	MF
3					7.30	301	6.0	21.9	✓	✓	MF
4					6.95	311	7.0	21.9	✓	✓	BP
5	<1.0	0.019	84	120	7.10	274	6.3	22.0	✓	✓	BP
6					7.19	252	5.9	21.8	✓	✓	BP
7					7.13	244	5.2	21.8	✓	✓	BP
8					7.15	247	5.3	21.9	✓	✓	U
9					7.13	220	6.8	22.0	✓	✓	CC
10	<1.0	<0.01	88	136	7.15	244	6.2	22.0	✓	✓	(M)
11					7.32	222	6.8	22.0	✓	✓	BP
12					7.24	212	6.7	22.0	✓	✓	U
13					7.16	210	5.3	22.1	✓	✓	DS
14					7.92	193	8.7	21.9	✓	✓	BP
15	<1.0	<0.01	88	140	7.70	221	7.9	21.9	✓	✓	MF
16					7.67	219	7.8	22.0	✓	✓	U
17					7.52	205	9.0	22.0	✓	✓	(M)
18					7.99	217	8.9	21.9	✓	✓	MF
19					7.78	192	8.8	21.8	✓	✓	(M)
20	<1.0	<0.01	80	100	7.73	196	8.4	21.7	✓	✓	BP

QA Check: CC Test Chamber: RM-A
 Ⓛ Skipped due to excess food *Test aeration initiated



20 Day Toxicity Test Data Sheet - Nautilus Environmental

Freshwater Sediment 20 day Survival

Client: Test America
 Test #: 1101e-1026, -T027, -T028

Start Date & Time: 6/9/11 1100
 End Date & Time: 6/29/11 1300
 Test Organism: Chironomus dilutus

Site	Rep #	Cont #	Day 0	Survival Day 20				Initials/Comments
				total	#larvae	#pupae	#flies	
CON	1	29	12	10	10	0	0	JS
	2	8	12	12	12			BP
	3	18	12	4	11			JS
	4	21	12	12	12			BP
	5	24	12	10	10			JS
	6	10	12	12	12			BP
	7	4	12	12	12			JS
	8	31	12	8/11	11			BP
WETSEDI	1	13	12	12	12			JS
	2	11	12	12	12			BP
	3	22	12	10	10			JS *
	4	1	12	7	7			BP
	5	26	12	12	12			BP
	6	3	12	9	9			BP
	7	16	12	5	5			JS
	8	6	12	9	9			BP
WETSEDA	1	14	12	9	9			JS
	2	12	12	10	10			BP
	3	9	12	9	9			JS
	4	15	12	10	10			BP
	5	19	12	8	8			JS *
	6	30	12	12	12			JS
	7	27	12	7	7			BP
	8	17	12	8	8			JS
WETSED3	1	20	12	4	4			BP
	2	2	12	9	9			JS
	3	25	12	1	1			BP
	4	7	12	0	0			JS *
	5	5	12	0	0			BP
	6	28	12	5	2/5			JS
	7	32	12	8	8			BP
	8	23	12	8	8			JS
	1		12					
	2		12					
	3		12					
	4		12					
	5		12					
	6		12					
	7		12					
	8		12					

QA Check: CP

* nematodes present

Nautilus Environmental
 Washington Laboratory
 5009 Pacific Hwy., E. Suite 2
 Tacoma, WA 98424

Client: Test America
 Organism: Chironomus tentans
 Test no.: 1106-T026-T028

Site	Rep #	Cont #	Pan wt. (gm)	Dry wt. (gm)	Ash wt. (gm)	Ash free dry wt. (gm)	No. organisms	Avg. per site (mg)
CON	1	27	0.07546	0.09222	0.08391		10	
	2	8	0.06494	0.07685	0.06647		12	
	3	18	0.069700	0.08554	0.07609		11	
	4	21	0.07103	0.08411	0.07296		12	
	5	24	0.07895	0.09140	0.08119		10	
	6	10	0.07216	0.08037	0.07433		12	
	7	4	0.06317	0.08488	0.07236		12	
	8	31	0.07244	0.08211	0.07417		11	
WEISED1	1	13	0.05852	0.07271	0.06070		12	
	2	11	0.06237	0.07411	0.06493		12	
	3	22	0.07449	0.07955	0.07526		10	
	4	1	0.06514	0.07418	0.06674		7	
	5	26	0.06976	0.09202	0.07306		12	
	6	3	0.06418	0.08309	0.06717		9	
	7	15	0.07372	0.07854	0.07440		5	
	8	6	0.06733	0.08448	0.07116		9	
WEISED2	1	14	0.06840	0.08015	0.07159		9	
	2	12	0.06564	0.07537	0.06878		10	
	3	9	0.07099	0.08530	0.07540		9	
	4	15	0.06877	0.07905	0.07249		10	
	5	19	0.07891	0.09458	0.08453		8	
	6	30	0.06799	0.08315	0.07383		12	
	7	27	0.06780	0.07498	0.06983		7	
	8	17	0.06625	0.07560	0.06909		8	
WEISED3	1	20	0.06439	0.07396	0.06746		4	
	2	2	0.06548	0.07344	0.06792		9	
	3	25	0.07850	0.07868	0.07854		1	
	4	7	0.06719	0.085-	-		0	
	5	5	0.06683	-	-		0	
	6	28	0.07732	0.08079	0.07833		5	
	7	32	0.07895	0.09078	0.08325		8	
	8	23	0.06552	0.07706	0.06901		8	
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
Tech Initials			JS	JS	MF		MF	

1) Dry wt. Date/time in: 6/29/11 1430 T° 62.0
 Dry wt. Date/time out: 7/5/11 1400 T° 61.0
 Dry wt. Tech: JS

2) Furnace date/time in: 7/7/11 5 T° 550 1200 & 1100
 Furnace date/time out: 7/7/11 1300 T° 550
 Furnace tech: JS
 QA Check: JS

10 Day Toxicity Test Data Sheet - Nautilus Environmental
Freshwater Sediment 10 day Water Chemistries

Client: Test America
 Conc. or Site: BN
 Test #: —

Start Date & Time: 6/17/11 1445
 End Date & Time: 6/17/11 1545
 Test Organism: H. azteca

Day	Alk	Hard	Ammonia (mg/L)	Sulfide (mg/L)	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp (°C)	Fed	Comments	Technician Initials
	mg/L as CaCO ₃										
0	44	60	<1.0	<0.010	6.50	145	8.0	23.4	✓		SS
1					6.79	149	7.1	22.8	✓		SS
2					6.81	162	6.8	22.4	✓		SS
3					7.77	189	7.0	22.3	✓		MF
4					7.43	180	6.2	21.9	✓		MF
5	52	72	<1.0	0.056	7.51	172	6.8	21.9	✓		MF
6					7.14	170	8.4	21.9	—		BP
7					7.54	176	7.0	22.1	✓		BP
8					7.79	182	6.3	22.0	✓		BP
9					7.21	180	5.8	22.1	✓		BP
10	60	76	<1.0	0.125	7.37	182	7.4	22.0	✓		GT

Test Chamber: RM. A QA Check: CC



10 Day Toxicity Test Data Sheet - Nautilus Environmental
Freshwater Sediment 10 day Water Chemistries

Client: Test America Start Date & Time: 6/7/11 1445
 Conc. or Site: WTFSED1 End Date & Time: 6-17-11 1545
 Test #: 1100-T013 Test Organism: H. azteca

Day	Alk	Hard	Ammonia (mg/L)	Sulfide (mg/L)	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp (°C)	Fed	Comments	Technician Initials
	(mg/L as CaCO ₃)										
0	60	124	<1.0	0.014	6.27	202	6.6	23.3	✓		SS
1					6.22	232	6.9	22.8	✓		SS
2					6.39	202	6.4	22.1	✓		SS
3					7.20	189	6.1	22.3	✓		MF
4					7.02	184	6.1	22.0	✓		MF
5	68	132	<1.0	0.036	7.00	174	6.2	21.9	✓		MF
6					7.00	166	7.0	21.9	✓		BP
7					7.05	165	6.3	22.1	✓		BP
8					7.19	164	6.0	21.9	✓		BP
9					6.87	165	5.4	21.9	✓		BP
10	72	132	1.0	0.293	6.93	164	7.3	21.9	✓		BT

Test Chamber: RM.A QA Check: DC



10 Day Toxicity Test Data Sheet - Nautilus Environmental
Freshwater Sediment 10 day Water Chemistries

Client: Test America
 Conc. or Site: WETSSED2
 Test #: 1100-TD14

Start Date & Time: 6/7/11 1445
 End Date & Time: 6-17-11 1545
 Test Organism: H. azteca

Day	Alk	Hard	Ammonia (mg/L)	Sulfide (mg/L)	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp (°C)	Fed	Comments	Technician Initials
	(mg/L as CaCO ₃)										
0	64	192	<1.0	0.012	6.45	418	6.9	23.3	✓		SS
1					6.35	402	6.2	22.8	✓		SS
2					6.41	334	6.4	22.2	✓		SS
3					7.18	314	6.4	22.3	✓		MF
4					6.99	273	6.1	21.9	✓		MF
5	80	200	<1.0	0.037	6.97	277	6.3	21.9	✓		MF
6					6.65	253	7.2	22.0	✓		BP
7					7.02	241	6.8	22.1	✓		BP
8					7.17	210	6.1	21.9	✓		BP
9					6.89	201	5.4	22.0	✓		BP
10	80	204	<1.0	0.126	7.05	190	7.1	21.9	✓		BT

Test Chamber: Rm. A

QA Check: CC



10 Day Toxicity Test Data Sheet - Nautilus Environmental
Freshwater Sediment 10 day Water Chemistries

Client: Test America
 Conc. or Site: WETSSED3
 Test #: 1106-TD15

Start Date & Time: 6/7/11 1445
 End Date & Time: 6-17-11 1545
 Test Organism: H. azteca

Day	Alk (mg/L as CaCO3)	Hard	Ammonia (mg/L)	Sulfide (mg/L)	pH (units)	Conductivity (umhos/cm)	Dissolved O ₂ (mg/L)	Temp (°C)	Fed	Comments	Technician Initials
0	606	172	<1.0	<0.010	6.64	243	6.0	23.2	✓		DS
1					6.61	258	6.1	22.8	✓		DS
2					6.63	235	6.3	22.2	✓		DS
3					7.37	222	6.4	22.3	✓		MF
4					7.12	216	6.5	22.0	✓		MF
5	76	180	<1.0	0.074	7.11	214	6.4	21.9	✓		MF
6					6.80	203	6.7, 7.3	21.8	✓		BP
7					7.14	204	6.9	22.1	✓		BP
8					7.23	159	6.1	21.9	✓		BP
9					6.97	187	5.6	22.0	✓		BP
10	72	188	<1.0	0.107	7.11	184	7.2	21.9	✓		BT

Test Chamber: RM-A

QA Check: CC



10 Day Toxicity Test Data Sheet - Nautilus Environmental

Freshwater Sediment 10 day Observations

Client: Test America
 Test #: 1106-TD13, TD14, TD15

Start Date & Time: 6/7/11 1445
 End Date & Time: 6/17/11 1545
 Test Organism: H. azteca

N = normal L = anoxic surface
 B = no burrows F = fungal patches
 M = dead on surface = no air flow (DO?)
 A = avoidance U = excess food

Initials	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9
	<u>6/8/11</u>	<u>6/9/11</u>	<u>6/10/11</u>	<u>MF</u>	<u>MF</u>	<u>6/13/11</u>			
WETSED3 1	N	N	N	N	N	N	N	N	N
WETSED2 2									
WETSED1 3									
CON 4									
CON 5									
WETSED1 6									
WETSED2 7									
CON 8									
WETSED3 9									
WETSED2 10									
WETSED3 11									
WETSED3 12									
WETSED1 13									
WETSED1 14									
WETSED2 15									
WETSED1 16									
WETSED1 17									
WETSED2 18									
WETSED3 19									
WETSED3 20									
WETSED3 21									
WETSED2 22									
CON 23									
WETSED2 24									
WETSED3 25									
CON 26									
CON 27									
WETSED1 28									
CON 29									
CON 30									
WETSED2 31									
WETSED1 32									

Nautilus Environmental
 Washington Laboratory
 5009 Pacific Hwy. E., Suite 2
 Tacoma, WA 98424

Physical and Chemical
 Measurements of Porewaters
 Sediment Bioassays

Analyst: et

Client: Test AMERICA

Test Date: 6/6/11

Test Type: Microtox 100% Porewater Toxicity Test

Test No: 1106-T040 → T042

Test Species: Vibrio fischeri

Site	Initial Salinity (ppt)	Final Salinity (ppt)	Initial D.O. (mg/L)	Final D.O. (mg/L)	Initial pH	Adjusted pH	NaOH or HCl Vol. Used	Final Porewater Conc.	Ammonia
511-048 WETSED-1	0.8	20.2	7.3	7.3	7.18	7.92	120µL 0.1N NaOH	99%	1.3
511-049 WETSED-2	1.2	19.5	7.2	7.2	7.33	et 7.92 7.2	200µL 0.1N NaOH	99%	2.7
511-050 WETSED-3	1.3	20.1	7.5	7.5	7.95	—	—	100%	<1.0
CON	20.1	20.1	8.2	8.2	8.64	8.18	80µL 0.1HCl	99%	—

Sample Description: _____

Comments: _____

QA Check: cc

Client Name: Teet America Test Date: 6/6/11

Sample ID: WETSED-1,2,3 Test No.: 1106-T040-71106-T042

Site	Light Reading	Time	Replicate				
			1	2	3	4	5
CON	I ₍₀₎	5 min	96	100	104	102	98
	I ₍₅₎	10min	90	100	98	96	94
	I ₍₁₅₎	20 min	82	80	85	85	87
WETSED-1	I ₍₀₎	5 min	80	75	75	80	77
	I ₍₅₎	10min	58	49	54	51	53
	I ₍₁₅₎	20 min	13	13	12	13	14
WETSED-2	I ₍₀₎	5 min	81	84	74	78	79
	I ₍₅₎	10min	57	59	54	56	57
	I ₍₁₅₎	20 min	19	21	19	19	21
WETSED-3	I ₍₀₎	5 min	74	78	77	77	75
	I ₍₅₎	10min	59	64	63	63	60
	I ₍₁₅₎	20 min	25	26	29	29	26
	I ₍₀₎	5 min					
	I ₍₅₎	10min					
	I ₍₁₅₎	20 min					
	I ₍₀₎	5 min					
	I ₍₅₎	10min					
	I ₍₁₅₎	20 min					

Comments: CC QA

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APPENDIX E - Reference Toxicant Tests

Chironomus 96-h Acute Survival Test

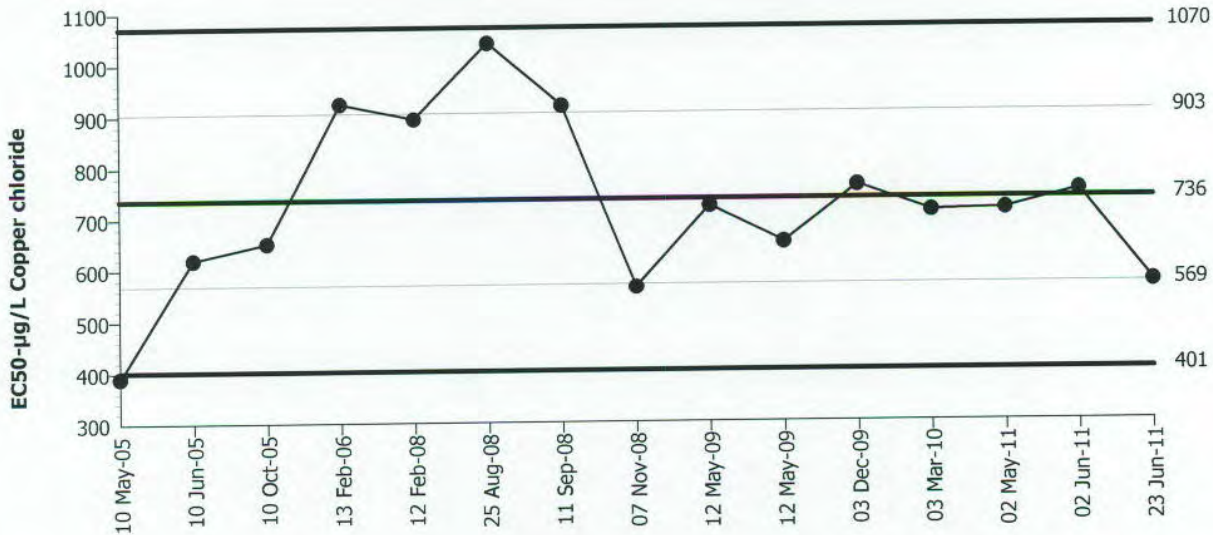
Nautilus Environmental WA

Test Type: Survival (96h)
Protocol: EPA/600/R-99/064 (2000)

Organism: Chironomus tentans (Midge)
Endpoint: 96h Survival Rate

Material: Copper chloride
Source: Reference Toxicant-REF

Chironomus 96-h Acute Survival Test



Mean: 735.9 Count: 14 -1s Warning Limit: 568.5 -2s Action Limit: 401.1
Sigma: 167.4 CV: 22.70% +1s Warning Limit: 903.3 +2s Action Limit: 1071

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2005	May	10	389.8	-346.1	-2.068	(-)	(-)	03-9785-3768	06-1599-1620
2		Jun	10	619.3	-116.6	-0.6962			08-3314-6775	08-1540-4607
3		Oct	10	651.6	-84.26	-0.5034			08-1025-4680	04-9254-8883
4	2006	Feb	13	921.9	186	1.111	(+)		08-9851-1226	07-3219-0331
5	2008		12	892.6	156.7	0.9359			15-6976-5200	18-3934-0764
6		Aug	25	1040	304	1.816	(+)		06-6119-9769	09-7546-4295
7		Sep	11	917.7	181.8	1.086	(+)		12-5480-0473	10-6515-6515
8		Nov	7	563	-172.9	-1.033	(-)		11-4948-7713	17-3277-7072
9	2009	May	12	721.9	-14.01	-0.08366			07-7016-2012	11-9025-1031
10			12	650.3	-85.61	-0.5114			10-1811-8659	15-1190-7362
11		Dec	3	760.9	24.96	0.1491			06-1499-1772	06-0264-7224
12	2010	Mar	3	710.4	-25.51	-0.1524			17-7743-6517	09-5758-4695
13	2011	May	2	713.8	-22.13	-0.1322			05-0735-0656	07-1751-6097
14		Jun	2	750	14.1	0.08423			17-9270-0205	04-9353-7895
15			23	570.5	-165.4	-0.9882			15-0478-1400	20-5891-4291

CETIS Summary Report

Report Date: 27 Jun-11 13:02 (p 1 of 1)
 Test Code: RA062311CT | 15-0478-1400

Chironomus 96-h Acute Survival Test Nautilus Environmental WA

Batch ID: 06-1890-9822	Test Type: Survival (96h)	Analyst: Meghan Feuk
Start Date: 23 Jun-11 11:00	Protocol: EPA/600/R-99/064 (2000)	Diluent: Diluted Mineral Water (8:2)
Ending Date: 27 Jun-11 12:00	Species: Chironomus tentans	Brine:
Duration: 4d 1h	Source: Aquatic Biosystems, CO	Age:

Sample ID: 00-0348-0792	Code: RA062311CT	Client: Reference Toxicant Test
Sample Date: 23 Jun-11 11:00	Material: Copper chloride	Project:
Receive Date: 23 Jun-11 11:00	Source: Reference Toxicant	
Sample Age: N/A	Station:	

Comparison Summary							
Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
13-8997-0043	96h Survival Rate	375	750	530.3	26.9%		Steel Many-One Rank Test

Point Estimate Summary							
Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
20-5891-4291	96h Survival Rate	EC50	570.5	465.9	698.5		Spearman-Kärber

96h Survival Rate Summary											
Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Dilution Water	4	0.95	0.9127	0.9873	0.8	1	0.05	0.1	10.53%	0.0%
187.5		4	0.95	0.9127	0.9873	0.8	1	0.05	0.1	10.53%	0.0%
375		4	0.7	0.6036	0.7964	0.4	1	0.1291	0.2582	36.89%	26.32%
750		4	0.35	0.256	0.444	0	0.6	0.1258	0.2517	71.9%	63.16%
1500		4	0	0	0	0	0	0	0		100.0%
3000		4	0	0	0	0	0	0	0		100.0%

96h Survival Rate Detail					
Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Dilution Water	1	0.8	1	1
187.5		0.8	1	1	1
375		1	0.6	0.4	0.8
750		0.6	0.4	0	0.4
1500		0	0	0	0
3000		0	0	0	0

96 Hour Reference Toxicity Test Data Sheet - Nautilus Environmental

Freshwater Sediment 96-hr Chronic

Client: Reference Toxicant

Sample ID: 3000 ug/L CuCl₂

Test #: RTD000123

Start Date & Time: 10/23/11 11:00

End Date & Time: 6/27/11 12:00

Test Organism: Chironomus tentans

Conc. CuCl ₂	Survival		Dissolved O ₂ (mg/L)			pH (units)			Cond. µS/cm			Temperature (°C)											
	#	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96							
0 ug/L	13	5	8.0	6.3	6.5	6.6	7.0	7.7	7.44	7.52	7.50	7.82	8.0	19.3	19.4	19.0	24.5	21.8	21.1	21.2	21.2	21.8	
	19	5											18.4										
	17	5																					
	18	5																					
187.5 ug/L	11	5	8.0	7.0	7.2	7.0	7.1	7.70	7.43	7.51	7.51	7.81	18.1	18.7	18.2	18.8	20.4	21.9	21.4	21.4	21.2	21.2	22.2
	3	5																					
	22	5																					
	15	5																					
375 ug/L	23	5	8.0	7.2	7.0	7.0	6.9	7.69	7.41	7.52	7.49	7.76	18.0	18.6	18.5	18.5	20.2	21.6	21.3	21.3	21.2	21.2	22.1
	1	5																					
	12	5																					
	2	5																					
750 ug/L	21	5	7.9	7.1	7.3	7.2	6.9	7.67	7.45	7.51	7.49	7.85	17.9	18.6	18.5	18.5	20.0	21.6	21.4	21.2	21.3	21.3	22.2
	20	5																					
	16	5																					
	5	5																					
1500 ug/L	4	5	7.9	7.9	7.4	7.0	7.0	7.60	7.44	7.47	7.36	7.66	18.1	18.4	18.7	17.6	20.0	21.6	21.3	21.3	21.3	21.3	22.1
	8	5																					
	14	5																					
	7	5																					
3000 ug/L	24	6	8.0	8.0	7.4	7.1	7.3	7.57	7.37	7.42	7.40	7.69	18.0	18.6	18.6	19.2	19.6	21.5	21.2	21.4	21.2	21.2	22.2
	9	5																					
	10	6																					
	18	5																					

Tech. Initials: PM SA MF

Comments:

Test Chamber: PM.C

QA Check: PM

Animal Source: PM

Date Received: 10/8/11

Age at test initiation: 2nd instar



Acute Amphipod Survival Test

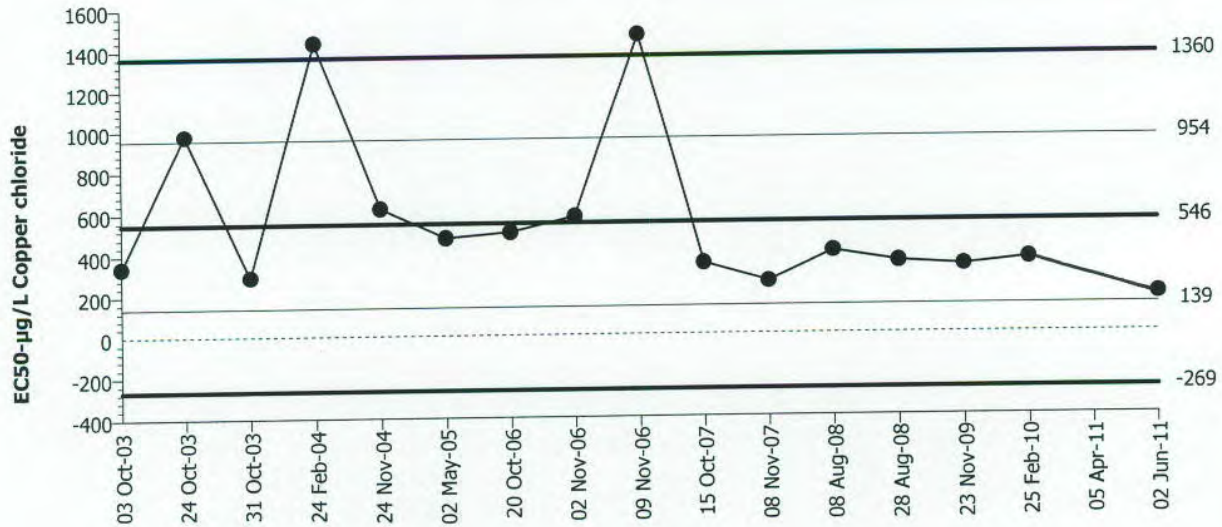
Nautilus Environmental WA

Test Type: Survival
Protocol: ASTM E1706-00 (2000)

Organism: Hyalella azteca (Freshwater Amphipod)
Endpoint: Survival Rate

Material: Copper chloride
Source: Reference Toxicant-REF

Acute Amphipod Survival Test



Mean: 546.4 Count: 16 -1s Warning Limit: 138.9 -2s Action Limit: -268.6
Sigma: 407.5 CV: 74.60% +1s Warning Limit: 953.9 +2s Action Limit: 1361

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2003	Oct	3	341.2	-205.2	-0.5035			06-0775-4420	15-2295-2416
2			24	975.3	428.9	1.053	(+)		04-6438-3508	07-9828-8060
3			31	292.7	-253.7	-0.6225			08-3475-1373	04-5200-0455
4	2004	Feb	24	1434	887.3	2.177	(+)	(+)	07-1118-0626	17-7524-5953
5		Nov	24	620.2	73.81	0.1811			10-9772-9874	17-7888-1382
6	2005	May	2	477.4	-69.01	-0.1694			07-5117-5111	11-6732-4104
7	2006	Oct	20	503.5	-42.94	-0.1054			10-2603-2608	05-1924-5921
8		Nov	2	576.5	30.14	0.07397			04-1292-4263	07-3082-5987
9			9	1464	917.7	2.252	(+)	(+)	06-5458-2190	12-2747-1591
10	2007	Oct	15	348.4	-198	-0.486			13-4692-2778	05-0675-3882
11		Nov	8	257.2	-289.2	-0.7097			06-6607-2454	13-7012-4549
12	2008	Aug	8	403.7	-142.7	-0.3503			00-5616-2222	16-0415-1126
13			28	351.6	-194.8	-0.4781			02-4459-4152	20-2603-1886
14	2009	Nov	23	332.8	-213.6	-0.5242			20-2294-2173	19-9301-0079
15	2010	Feb	25	365	-181.4	-0.4452			16-9659-3406	11-7559-2786
16	2011	Apr	5	0	-546.4	-1.341	(-)		12-7538-8678	19-5580-0324
17		Jun	2	187.5	-358.9	-0.8807			04-1031-1615	02-7338-9085

CETIS Summary Report

Report Date: 06 Jun-11 12:58 (p 1 of 1)
 Test Code: RA060211HA | 04-1031-1615

Acute Amphipod Survival Test				Nautilus Environmental WA			
Batch ID:	17-7102-7421	Test Type:	Survival	Analyst:	Meghan Feuk		
Start Date:	02 Jun-11 13:10	Protocol:	ASTM E1706-00 (2000)	Diluent:	Diluted Mineral Water (8:2)		
Ending Date:	06 Jun-11 13:10	Species:	Hyalella azteca	Brine:			
Duration:	96h	Source:	Aquatic Indicators	Age:			
Sample ID:	17-8648-9088	Code:	RA060211HA	Client:	Reference Toxicant Test		
Sample Date:	02 Jun-11 13:10	Material:	Copper chloride	Project:			
Receive Date:	02 Jun-11 13:10	Source:	Reference Toxicant				
Sample Age:	N/A	Station:					

Comparison Summary							
Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
09-8560-0831	Survival Rate	<187.5	187.5	N/A	4.59%		Steel Many-One Rank Test

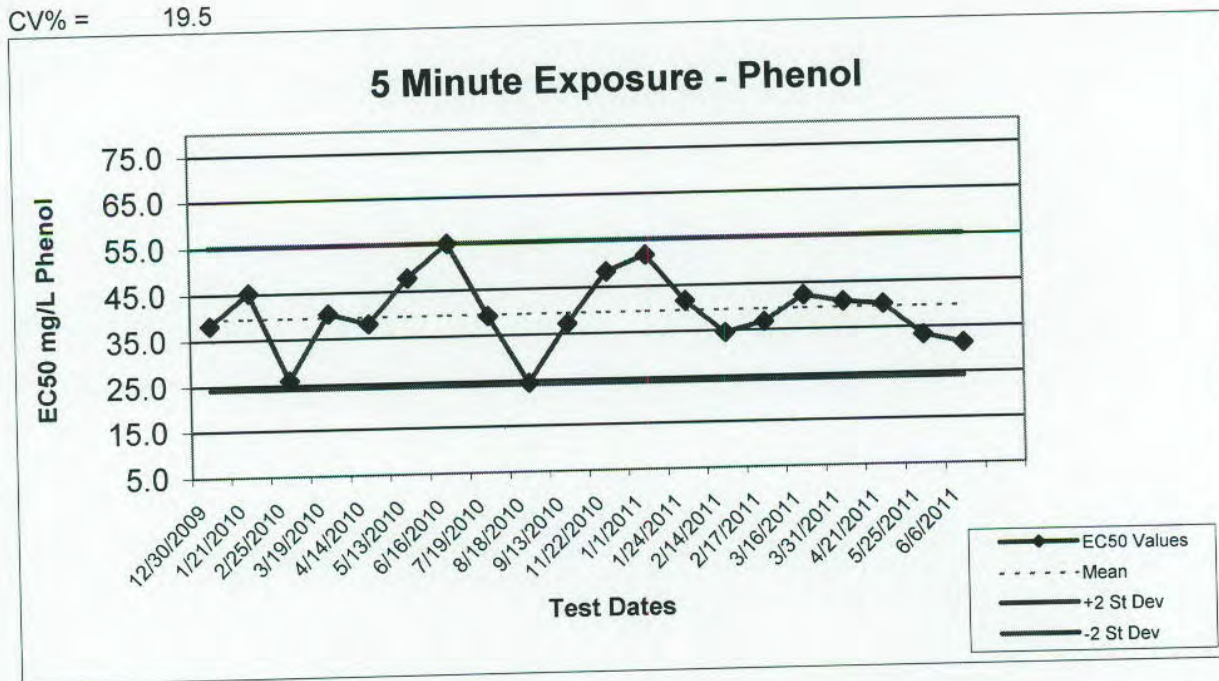
Point Estimate Summary							
Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
02-7338-9085	Survival Rate	EC50	187.5	150.6	233.5		Trimmed Spearman-Kärber

Survival Rate Summary											
Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Dilution Water	4	1	1	1	1	1	0	0	0.0%	0.0%
187.5		4	0.5	0.4695	0.5305	0.4	0.6	0.04082	0.08165	16.33%	50.0%
375		4	0	0	0	0	0	0	0		100.0%
750		4	0	0	0	0	0	0	0		100.0%
1500		4	0	0	0	0	0	0	0		100.0%
3000		4	0	0	0	0	0	0	0		100.0%

Survival Rate Detail						
Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	
0	Dilution Water	1	1	1	1	
187.5		0.5	0.5	0.4	0.6	
375		0	0	0	0	
750		0	0	0	0	
1500		0	0	0	0	
3000		0	0	0	0	

Reference Toxicant Control Chart Microtox 5-Minute Exposure

CV% = 19.5

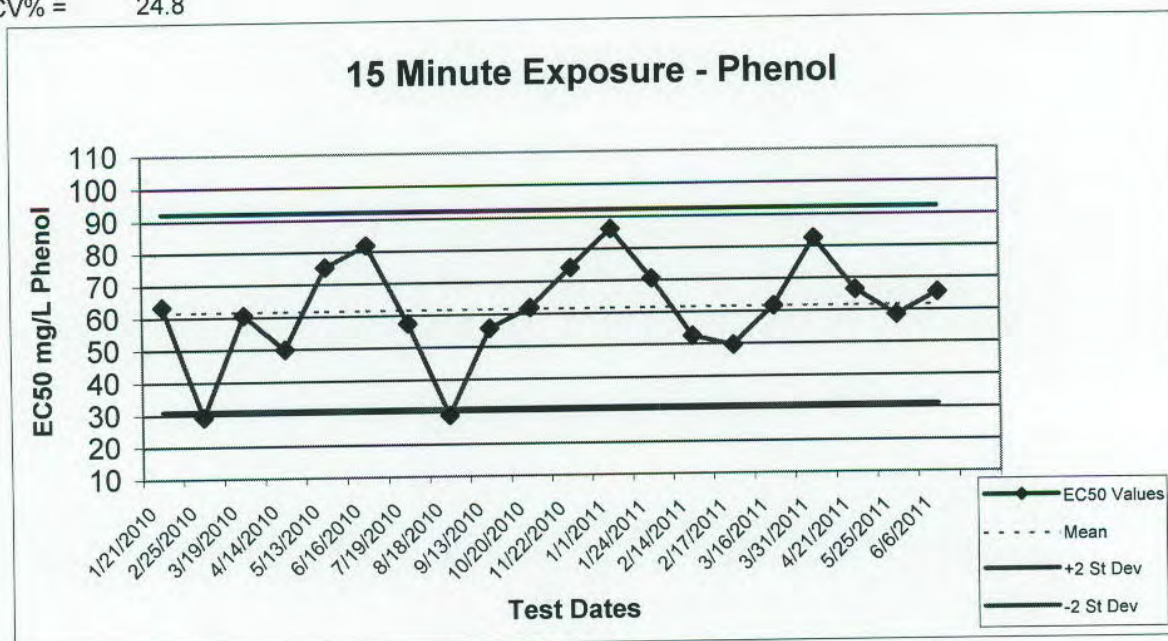


Date	Time	EC50 %	EC50 mg/L Phenol ^a	Mean	StDev	-2 SD	+2 SD
12/30/2009	911	22.5	38.3	39.6	7.7	24.2	55.1
1/21/2010	1015	26.6	45.2	39.6	7.7	24.2	55.1
2/25/2010	1223	15.3	26.0	39.6	7.7	24.2	55.1
3/19/2010	833	23.8	40.5	39.6	7.7	24.2	55.1
4/14/2010	934	23.8	38.1	39.6	7.7	24.2	55.1
5/13/2010	939	29.9	47.8	39.6	7.7	24.2	55.1
6/16/2010	912	34.4	55.0	39.6	7.7	24.2	55.1
7/19/2010	830	24.5	39.2	39.6	7.7	24.2	55.1
8/18/2010	1018	15.3	24.4	39.6	7.7	24.2	55.1
9/13/2010	1214	23.3	37.3	39.6	7.7	24.2	55.1
11/22/2010	1100	30.2	48.3	39.6	7.7	24.2	55.1
1/1/2011	1436	32.3	51.7	39.6	7.7	24.2	55.1
1/24/2011	829	26.0	41.7	39.6	7.7	24.2	55.1
2/14/2011	1339	21.6	34.5	39.6	7.7	24.2	55.1
2/17/2011	1010	23.0	36.8	39.6	7.7	24.2	55.1
3/16/2011	812	26.5	42.3	39.6	7.7	24.2	55.1
3/31/2011	1154	25.5	40.8	39.6	7.7	24.2	55.1
4/21/2011	917	25.1	40.2	39.6	7.7	24.2	55.1
5/25/2011	848	20.8	33.3	39.6	7.7	24.2	55.1
6/6/2011	1220	19.6	31.4	39.6	7.7	24.2	55.1

a - Highest concentration of Phenol is 160 mg/L

Reference Toxicant Control Chart Microtox 15-Minute Exposure

CV% = 24.8



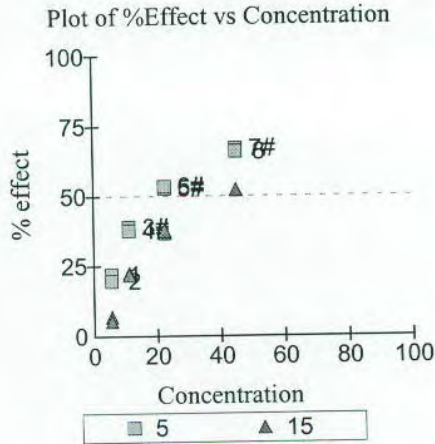
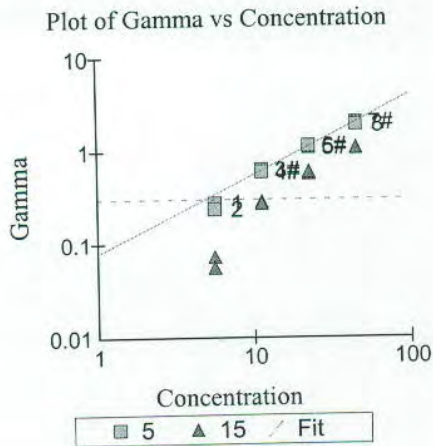
Date	Time	EC50 %	EC50 mg/L Phenol ^a	Mean	StDev	-2 SD	+2 SD
1/21/2010	1015	37.3	63.3	61.6	15.3	31.0	92.2
2/25/2010	1223	17.2	29.2	61.6	15.3	31.0	92.2
3/19/2010	833	35.6	60.5	61.6	15.3	31.0	92.2
4/14/2010	934	31.2	49.9	61.6	15.3	31.0	92.2
5/13/2010	939	47.0	75.2	61.6	15.3	31.0	92.2
6/16/2010	912	51.2	81.9	61.6	15.3	31.0	92.2
7/19/2010	830	35.9	57.4	61.6	15.3	31.0	92.2
8/18/2010	1018	18.2	29.1	61.6	15.3	31.0	92.2
9/13/2010	1214	34.8	55.7	61.6	15.3	31.0	92.2
10/20/2010	904	38.7	61.9	61.6	15.3	31.0	92.2
11/22/2010	1100	46.4	74.2	61.6	15.3	31.0	92.2
1/1/2011	1436	53.9	86.2	61.6	15.3	31.0	92.2
1/24/2011	829	44.1	70.5	61.6	15.3	31.0	92.2
2/14/2011	1339	32.9	52.6	61.6	15.3	31.0	92.2
2/17/2011	1010	31.0	49.6	61.6	15.3	31.0	92.2
3/16/2011	812	38.5	61.6	61.6	15.3	31.0	92.2
3/31/2011	1154	51.6	82.6	61.6	15.3	31.0	92.2
4/21/2011	917	41.5	66.4	61.6	15.3	31.0	92.2
5/25/2011	848	36.5	58.4	61.6	15.3	31.0	92.2
6/6/2011	1220	40.9	65.4	61.6	15.3	31.0	92.2

a - Highest concentration of Phenol is 160 mg/L

MicrotoxOmni Test Report

Date: 06/06/2011 12:20 PM

Test Protocol: Basic Test
 Sample: 160mg/L Phenol
 Toxicant: 160mg/L Phenol
 Reagent Lot no.: 10K1032
 Test description: Reference Toxicant
 Test name: RT060611VF
 Database file: C:\Program Files\MicrotoxOmni\Edge Analytical.mdb



Sample	Conc	5 Mins Data:				15 Mins Data:		
		Io	It	Gamma	% effect	It	Gamma	% effect
Control	0.000	95.37	94.07	0.9864 #		64.12	0.6723 #	
Control	0.000	96.55	96.74	1.002 #		65.20	0.6753 #	
1	5.625	102.88	79.94	0.2795	21.84%	64.63	0.0726	6.768%
2	5.625	99.02	79.24	0.2423	19.51%	63.20	0.0557	5.277%
3	11.25	103.46	62.83	0.6371 #	38.91%	54.10	0.2886	22.40%
4	11.25	105.65	65.49	0.6038 #	37.65%	55.82	0.2753	21.59%
5	22.50	107.92	50.83	1.111 #	52.62%	46.07	0.5784 #	36.65%
6	22.50	109.63	50.79	1.146 #	53.40%	46.09	0.6027 #	37.61%
7	45.00	109.14	35.85	2.027 #	66.96%	35.13	1.093 #	52.23%
8	45.00	108.87	36.88	1.935	65.93%	35.23	1.082 #	51.98%

- used in calculation; * - invalid data; D - deleted from calcs.
 Autocalc has been used.

Calculations on 5 Mins data:
 EC50 Concentration: 19.62% (95% confidence range: 18.81 to 20.48)
 95% Confidence Factor: 1.043
 Estimating Equation: $\text{LOG C} = 1.167 \times \text{LOG G} + 1.293$
 Coeff. of Determination (R^2): 0.9980
 Slope: 0.8554
 Correction Factor: 0.9942

Calculations on 15 Mins data:
 EC50 Concentration: 40.88% (95% confidence range: 38.35 to 43.57)
 95% Confidence Factor: 1.066
 Estimating Equation: $\text{LOG C} = 1.132 \times \text{LOG G} + 1.611$
 Coeff. of Determination (R^2): 0.9976
 Slope: 0.8815
 Correction Factor: 0.6738

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APPENDIX F - Chain-of-Custody Forms

Chain of Custody Record

Client Information (Sub Contract Lab) Client Contact: Armstrong, Curtis Shipping/Receiving: curtis.armstrong@testamericainc.com Company: Nautilus Environmental		Lab PM: Armstrong, Curtis E-Mail: curtis.armstrong@testamericainc.com		Carrier Tracking No(s): COC No: 580-5839.1 Page: Page 1 of 1 Job #: 580-26360-1		
Due Date Requested: 6/6/2011 TAT Requested (days): PO #: WO #: Project #: 58004867 SSOV#:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> SUBCONTRACT <input checked="" type="checkbox"/> Analysis Requested: <i>Amphipod mortality (4 days)</i> <i>Widge larvae mortality</i> <i>and growth 2 days</i> <i>Microtox (1000 pore water)</i> <i>15 min (Vino fisher)</i>				
Sample Identification - Client ID	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Preservation Code	Total Number of Containers	Special Instructions/Note:
E-WetSed-1-052311	5/23/11	10:10 Pacific	Solid	Solid	1	40c S11-048
E-WetSed-2-052311	5/23/11	10:35 Pacific	Solid	Solid	1	S11-049
E-WetSed-3-052311	5/23/11	11:10 Pacific	Solid	Solid	1	S11-050
Preservation Codes: M - Hexane N - None O - AshNaO2 P - Na2SO4 Q - Na2SO3 R - NaHSO4 S - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water V - MCAA W - ph 4-5 L - EDTA Z - other (specify) Other:						
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)						
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:						
Empty Kit Relinquished by: <i>Atty Camba</i> Date/Time: <i>5/25/11 13:40</i>		Method of Shipment:				
Relinquished by: <i>Atty Camba</i> Date/Time: <i>5/25/11 13:40</i>		Company: <i>HA-SOL</i> Date/Time:		Date/Time: <i>5-25-11 1600</i> Company: <i>Nautilus</i>		
Relinquished by:		Company:		Date/Time:		
Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				
Cooler Temperature(s) °C and Other Remarks:						



Client: *Farallon Consulting, LLC*
 975-5th AVE NW
 Address: *Jessiquah* WA *98027*
 City: *Jessiquah* State: *WA* Zip Code: *98027*
 Client Contact: *Jeff Kaspar*
 Telephone Number (Area Code)/Fax Number: *(425) 295-0808*
 Date: *5/23/11*
 Chain of Custody Number: *11239*
 Lab Number: *26360*
 Page *1* of *1*

Project Name and Location (State): *Yakima Steel, WA*
 Contract/Purchase Order/Quote No.: *765-001*
 Sampler: *BH*
 Lab Contact: *Jeff Kaspar*
 Billing Contact: *Jeff Kaspar*

Matrix:

Air	Aqueous	Sec.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sec.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
<i>-1 E-Wet Sed-1-052311</i>	<i>5/23/11</i>	<i>1010</i>				<i>X</i>								<i>X X X X X X X X X X X X X X X X X X</i>	<i>HOLD Containers for additional analysis if necessary/ requested</i>
<i>-2 E-Wet Sed-2-052311</i>	<i>"</i>	<i>1035</i>				<i>X</i>								<i>X X X X X X X X X X X X X X X X X X</i>	
<i>-3 E-Wet Sed-3-052311</i>	<i>"</i>	<i>1110</i>				<i>X</i>								<i>X X X X X X X X X X X X X X X X X X</i>	<i>Analyze 16oz jars only hold VOCs and 4oz jars</i>
															<i>IR=0.8/7.4 w/o</i>
															<i>Lg Green/blue wet/bubble</i>
															<i>lab courier</i>

Cooler: Yes No Cooler Temp: _____
 Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Disposal By Lab Return To Client Archive For *1* Months
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____
 QC Requirements (Specify): _____

1. Relinquished By Sign/Print <i>Ryan Hibbs</i>	Date <i>5-23-11</i>	Time <i>1405</i>	1. Received By Sign/Print <i>BRETT T. CARP</i>	Date <i>5/23/11</i>	Time <i>1405</i>
2. Relinquished By Sign/Print <i>Brett T. Carp</i>	Date <i>5/24/11</i>	Time <i>10:00</i>	2. Received By Sign/Print <i>Francisco Luna Jr</i>	Date <i>5/24/11</i>	Time <i>1600</i>
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments: _____

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26360-1

Login Number: 26360
List Number: 1
Creator: Luna, Francisco

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	6.8°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26377-1
Client Project/Site: Yakima Steel
Revision: 1

For:
Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:18:10 PM
Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com

Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

LINKS

Review your project
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Have a Question?



Visit us at:
www.testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Job ID: 580-26377-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-26377-1

Receipt

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): . Two 4oz. soil jars received, not on COC. These were both for sample "I-TP3-052411-0.0-0.5" collected on 05-24-2011 at 11:00. These samples were added to the end of the COC and logged-in.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B:

Ethylbenzene-d10 and 4-Bromofluorobenzene surrogate recovery for the following sample were outside control limits: I-TP3-052411-3.0 (580-26377-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Several target compounds exceeded calibration range in the direct sparge soil (DSS) analysis of sample I-TP3-052411-3.0 (580-26377-22). A request to schedule for methanolic analysis for the target compounds sec-Butylbenzene; n-Propylbenzene; 4-Isopropyltoluene; n-Butylbenzene; 1,2,4-Trimethylbenzene; and Naphthalene has been made to the project manager. The listed compounds have been marked as not needed in the DSS analysis and will be reported from the methanolic analysis. The re-analysis was performed outside the method required holding time affected sample has been qualified "H".

The initial calibration curve was outside acceptance criteria for Carbon Disulfide. As Carbon Disulfide was not a requested analyte at the time of sample analysis, it cannot be reported. The analyte was flagged rejected in the CCVIS and set to not needed in the associated samples and QC. 580-26377-21 and 580-26377-22

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A:

The capping continuing calibration verification (CCV) analyzed on instrument TAC035, analytical batch 87207, did not meet criteria on both columns for the following analytes: CCV/17 - 4,4-DDT, DCB, Endosulfan sulfate and Endrin aldehyde were all recovering below lower control limits. CCV/23 - 4,4-DDE, 4,4-DDT, Aldrin, alpha-Chlordane, beta-BHC, DCB, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin aldehyde, Endrin ketone and gamma-Chlordane were all recovering below lower control limits. CCV/24 - Toxaphene was recovering below lower control limits. The associated samples were analyzed twice with similar results. Data has been qualified "A" and reported.

Surrogate recovery for the following sample(s) was outside control limits: 580-26377-3, 580-26377-4, 580-26377-7, 580-26377-8, 580-26377-11, 580-26377-15, 580-26377-20, 580-26377-23 and 580-26377-28 MS. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. Data qualified "X" and reported.

The capping continuing calibration verification (CCV) in analytical batch 87303 on instrument TAC035 did not meet criteria on both columns for the following analytes: CCV/18 - 4,4-DDT, DCB, Endosulfan II, Endosulfan sulfate, Endrin aldehyde and Methoxychlor were recovering below lower control limits. CCV/31 - 4,4-DDT, DCB and Methoxychlor were recovering below lower control limits. CCV/36 - 4,4-DDT, DCB and Methoxychlor were recovering below lower control limits. The associated samples were analyzed twice with similar results. Data has been qualified "A" and reported.

Method(s) NWTPH-Dx/NWTPH-HCID:

For samples 580-26377-21 and 580-26377-22, the results in the C10-C24 range are due to a weathered diesel range product. The affected analyte range is qualified with the "Y" qualifier and reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B:

The absolute value for some elements was above the RL value. The ICB, MB and CCB's were all within limits. Sample qualified "L". No

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Job ID: 580-26377-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

bias is indicated.

No other analytical or quality issues were noted.

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Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
H	Sample was prepped or analyzed beyond the specified holding time
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits
Y	The chromatographic response resembles a typical fuel pattern.
F	MS or MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP1-052311-0.0-0.5

Lab Sample ID: 580-26377-1

Date Collected: 05/23/11 13:50

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 92.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
4,4'-DDD	ND		2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
4,4'-DDE	9.1		2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
4,4'-DDT	13	^	2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Dieldrin	2.9		2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endosulfan II	ND	^	2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endosulfan sulfate	ND	^	2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endrin	ND		2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endrin aldehyde	ND	^	2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Endrin ketone	ND		2.2		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
alpha-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
gamma-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 18:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	74		49 - 123				05/31/11 11:16	06/06/11 18:33	1
<i>DCB Decachlorobiphenyl</i>	60	^	40 - 158				05/31/11 11:16	06/06/11 18:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			05/31/11 11:19	1
Percent Moisture	7.9		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP1-052311-2.0-2.5

Lab Sample ID: 580-26377-2

Date Collected: 05/23/11 13:55

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.4

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
alpha-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
beta-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
delta-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
4,4'-DDD	ND		2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
4,4'-DDE	ND		2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
4,4'-DDT	ND	^	2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Dieldrin	ND		2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endosulfan I	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endosulfan II	ND	^	2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endosulfan sulfate	ND	^	2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endrin	ND		2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endrin aldehyde	ND	^	2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Heptachlor	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Methoxychlor	ND	^	11		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Endrin ketone	ND		2.2		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Toxaphene	ND		110		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
alpha-Chlordane	8.6	p	1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
gamma-Chlordane	9.5		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 19:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	54		49 - 123				05/31/11 11:16	06/06/11 19:31	1
DCB Decachlorobiphenyl	62	^	40 - 158				05/31/11 11:16	06/06/11 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			05/31/11 11:19	1
Percent Moisture	14		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP2-052311-1.0-1.5

Lab Sample ID: 580-26377-3

Date Collected: 05/23/11 14:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 94.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
alpha-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
beta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
delta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
4,4'-DDD	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
4,4'-DDE	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
4,4'-DDT	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Dieldrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endosulfan I	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endosulfan II	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Heptachlor	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Heptachlor epoxide	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Methoxychlor	ND	^	10		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Toxaphene	ND		100		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
alpha-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
gamma-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 19:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	45	XI	49 - 123				05/31/11 11:16	06/06/11 19:50	1
DCB Decachlorobiphenyl	54	^	40 - 158				05/31/11 11:16	06/06/11 19:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%			05/31/11 11:19	1
Percent Moisture	5.3		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP2-052311-3.5-4.0

Lab Sample ID: 580-26377-4

Date Collected: 05/23/11 14:45

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 83.0

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
alpha-BHC	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
beta-BHC	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
delta-BHC	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
4,4'-DDD	ND		2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
4,4'-DDE	ND		2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
4,4'-DDT	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Dieldrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endosulfan I	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endosulfan II	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endosulfan sulfate	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endrin aldehyde	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Heptachlor	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Heptachlor epoxide	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Methoxychlor	ND	^	12		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Endrin ketone	ND		2.3		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Toxaphene	ND		120		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
alpha-Chlordane	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
gamma-Chlordane	ND		1.2		ug/Kg	*	05/31/11 11:16	06/06/11 20:10	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	37	X I	49 - 123				05/31/11 11:16	06/06/11 20:10	1
DCB Decachlorobiphenyl	18	X ^ I	40 - 158				05/31/11 11:16	06/06/11 20:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			05/31/11 11:19	1
Percent Moisture	17		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP3-052311-0.0-0.5

Lab Sample ID: 580-26377-5

Date Collected: 05/23/11 15:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 93.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
alpha-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
beta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
delta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
4,4'-DDD	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
4,4'-DDE	8.1		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
4,4'-DDT	3.8	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Dieldrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endosulfan I	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endosulfan II	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Heptachlor	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Heptachlor epoxide	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Methoxychlor	ND	^	10		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Toxaphene	ND		100		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
alpha-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
gamma-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/06/11 20:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 123				05/31/11 11:16	06/06/11 20:29	1
DCB Decachlorobiphenyl	60	^	40 - 158				05/31/11 11:16	06/06/11 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%			05/31/11 11:19	1
Percent Moisture	6.7		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP3-052311-2.0-2.5

Lab Sample ID: 580-26377-6

Date Collected: 05/23/11 15:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.9

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
alpha-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
beta-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
delta-BHC	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
4,4'-DDD	5.1	p	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
4,4'-DDE	8.7		2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
4,4'-DDT	22	^	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Dieldrin	5.5	^ p	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endosulfan I	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endosulfan II	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endrin	ND		2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Heptachlor	ND		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Heptachlor epoxide	1.6	p	1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Methoxychlor	ND	^	11		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Endrin ketone	ND		2.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Toxaphene	ND		110		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
alpha-Chlordane	36	p	1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
gamma-Chlordane	41		1.1		ug/Kg	☼	05/31/11 11:16	06/06/11 20:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		49 - 123				05/31/11 11:16	06/06/11 20:49	1
DCB Decachlorobiphenyl	59	^	40 - 158				05/31/11 11:16	06/06/11 20:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%			05/31/11 11:19	1
Percent Moisture	9.1		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP1-052311-0.0-0.5

Lab Sample ID: 580-26377-7

Date Collected: 05/23/11 16:14

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
4,4'-DDD	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
4,4'-DDE	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
4,4'-DDT	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Dieldrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endosulfan II	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
alpha-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
gamma-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 22:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		49 - 123				05/31/11 11:16	06/06/11 22:26	1
DCB Decachlorobiphenyl	39	^ X I	40 - 158				05/31/11 11:16	06/06/11 22:26	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%			05/31/11 11:19	1
Percent Moisture	9.2		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP1-052311-3.0-3.5

Lab Sample ID: 580-26377-8

Date Collected: 05/23/11 16:20

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 45.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
alpha-BHC	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
beta-BHC	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
delta-BHC	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
gamma-BHC (Lindane)	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
4,4'-DDD	ND		8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
4,4'-DDE	ND		8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
4,4'-DDT	ND	^	8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Dieldrin	ND		8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endosulfan I	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endosulfan II	ND	^	8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endosulfan sulfate	ND	^	8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endrin	ND		8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endrin aldehyde	ND	^	8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Heptachlor	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Heptachlor epoxide	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Methoxychlor	ND	^	43		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Endrin ketone	ND		8.5		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Toxaphene	ND		430		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
alpha-Chlordane	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
gamma-Chlordane	ND		4.3		ug/Kg	*	05/31/11 11:16	06/06/11 22:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 123				05/31/11 11:16	06/06/11 22:46	1
DCB Decachlorobiphenyl	14	X ^ I	40 - 158				05/31/11 11:16	06/06/11 22:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	46		0.10		%			05/31/11 11:19	1
Percent Moisture	54		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP2-052311-0.0-0.5

Lab Sample ID: 580-26377-9

Date Collected: 05/23/11 16:50

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.0

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
4,4'-DDD	4.4		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
4,4'-DDE	5.9		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
4,4'-DDT	13	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Dieldrin	2.9		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endosulfan II	3.6	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Heptachlor epoxide	2.4	p	1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
alpha-Chlordane	2.9	p	1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
gamma-Chlordane	2.7	p	1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		49 - 123				05/31/11 11:16	06/06/11 23:05	1
DCB Decachlorobiphenyl	67	^	40 - 158				05/31/11 11:16	06/06/11 23:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			05/31/11 11:19	1
Percent Moisture	10		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP2.2-052311-0.0-0.5

Lab Sample ID: 580-26377-10

Date Collected: 05/23/11 16:55

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 89.9

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
alpha-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
beta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
delta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
gamma-BHC (Lindane)	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
4,4'-DDD	5.0	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
4,4'-DDE	7.7	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
4,4'-DDT	20	H ^	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Dieldrin	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endosulfan I	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endosulfan II	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endosulfan sulfate	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endrin	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endrin aldehyde	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Heptachlor	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Heptachlor epoxide	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Methoxychlor	ND	H	11		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Endrin ketone	ND	H	2.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Toxaphene	ND	H	110		ug/Kg	☼	06/20/11 09:58	06/22/11 13:06	1
alpha-Chlordane	6.4	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
gamma-Chlordane	4.9	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:12	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	69		49 - 123				06/20/11 09:58	06/21/11 18:12	1
<i>DCB Decachlorobiphenyl</i>	82		40 - 158				06/20/11 09:58	06/21/11 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			06/03/11 10:22	1
Percent Moisture	10		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP2-052311-2.0-2.5

Lab Sample ID: 580-26377-11

Date Collected: 05/23/11 17:00

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 89.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
4,4'-DDD	3.0		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
4,4'-DDE	3.5		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
4,4'-DDT	3.2	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Dieldrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endosulfan II	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
alpha-Chlordane	1.7	p	1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
gamma-Chlordane	1.7		1.1		ug/Kg	*	05/31/11 11:16	06/06/11 23:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	47	XI	49 - 123				05/31/11 11:16	06/06/11 23:25	1
DCB Decachlorobiphenyl	58	^	40 - 158				05/31/11 11:16	06/06/11 23:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			05/31/11 11:19	1
Percent Moisture	10		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP3-052411-0.0-0.5

Lab Sample ID: 580-26377-12

Date Collected: 05/24/11 07:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 93.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
alpha-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
beta-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
delta-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
4,4'-DDD	5.0		2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
4,4'-DDE	28		2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
4,4'-DDT	4.1	^	2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Dieldrin	ND		2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endosulfan I	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endosulfan II	ND	^	2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endosulfan sulfate	ND	^	2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endrin	2.6		2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endrin aldehyde	ND	^	2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Heptachlor	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Heptachlor epoxide	2.3	p	1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Methoxychlor	ND	^	10		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Endrin ketone	ND		2.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Toxaphene	ND		100		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
alpha-Chlordane	13		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
gamma-Chlordane	12		1.0		ug/Kg	☼	05/31/11 11:16	06/06/11 23:44	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		49 - 123				05/31/11 11:16	06/06/11 23:44	1
DCB Decachlorobiphenyl	57	^	40 - 158				05/31/11 11:16	06/06/11 23:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%			05/31/11 11:19	1
Percent Moisture	6.7		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP3-052411-2.0-2.5

Lab Sample ID: 580-26377-13

Date Collected: 05/24/11 07:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 91.9

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
alpha-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
beta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
delta-BHC	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
4,4'-DDD	ND		2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
4,4'-DDE	ND		2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
4,4'-DDT	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Dieldrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endosulfan I	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endosulfan II	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endrin	ND		2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Heptachlor	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Heptachlor epoxide	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Methoxychlor	ND	^	10		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Endrin ketone	ND		2.1		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Toxaphene	ND		100		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
alpha-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
gamma-Chlordane	ND		1.0		ug/Kg	*	05/31/11 11:16	06/07/11 00:04	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	58		49 - 123				05/31/11 11:16	06/07/11 00:04	1
DCB Decachlorobiphenyl	36	X ^ I	40 - 158				05/31/11 11:16	06/07/11 00:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			05/31/11 11:19	1
Percent Moisture	8.1		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: J-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-14

Date Collected: 05/24/11 08:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 95.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
alpha-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
beta-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
delta-BHC	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
4,4'-DDD	2.4		2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
4,4'-DDE	10		2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
4,4'-DDT	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Dieldrin	ND		2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endosulfan I	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endosulfan II	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endrin	ND		2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Heptachlor	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Heptachlor epoxide	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Methoxychlor	ND	^	10		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Endrin ketone	ND		2.1		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Toxaphene	ND		100		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
alpha-Chlordane	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
gamma-Chlordane	ND		1.0		ug/Kg	☼	05/31/11 11:16	06/07/11 00:23	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		49 - 123				05/31/11 11:16	06/07/11 00:23	1
DCB Decachlorobiphenyl	57	^	40 - 158				05/31/11 11:16	06/07/11 00:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1
Lead	50		1.4		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1
Antimony	2.9		2.9		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1
Cadmium	ND		0.48		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1
Copper	57		0.96		mg/Kg	☼	06/06/11 13:07	06/07/11 10:31	1
Manganese	380		0.96		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1
Zinc	190		1.9		mg/Kg	☼	06/06/11 13:07	06/06/11 22:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.017		mg/Kg	☼	06/07/11 08:30	06/07/11 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%			05/31/11 11:19	1
Percent Moisture	4.2		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: J-TP1-052411-3.0-3.5

Lab Sample ID: 580-26377-15

Date Collected: 05/24/11 08:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 61.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
alpha-BHC	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
beta-BHC	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
delta-BHC	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
gamma-BHC (Lindane)	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
4,4'-DDD	ND		3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
4,4'-DDE	ND		3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
4,4'-DDT	ND	^	3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Dieldrin	ND		3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endosulfan I	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endosulfan II	ND	^	3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endosulfan sulfate	ND	^	3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endrin	ND		3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endrin aldehyde	ND	^	3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Heptachlor	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Heptachlor epoxide	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Methoxychlor	ND	^	16		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Endrin ketone	ND		3.3		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
Toxaphene	ND		160		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
alpha-Chlordane	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1
gamma-Chlordane	ND		1.6		ug/Kg	*	05/31/11 11:16	06/07/11 00:43	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	31	X I	49 - 123	05/31/11 11:16	06/07/11 00:43	1
DCB Decachlorobiphenyl	9	X ^ I	40 - 158	05/31/11 11:16	06/07/11 00:43	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	61		0.10		%			05/31/11 11:19	1
Percent Moisture	39		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-16

Date Collected: 05/24/11 09:20

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 87.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
4,4'-DDD	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
4,4'-DDE	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
4,4'-DDT	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Dieldrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endosulfan II	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endosulfan sulfate	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endrin aldehyde	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Endrin ketone	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
alpha-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
gamma-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 01:02	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		49 - 123				05/31/11 11:16	06/07/11 01:02	1
DCB Decachlorobiphenyl	44	^	40 - 158				05/31/11 11:16	06/07/11 01:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			05/31/11 11:19	1
Percent Moisture	13		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP1-052411-6.0

Lab Sample ID: 580-26377-17

Date Collected: 05/24/11 09:25

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
alpha-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
beta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
delta-BHC	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
4,4'-DDD	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
4,4'-DDE	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
4,4'-DDT	ND	^	2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Dieldrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endosulfan I	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endosulfan II	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endrin	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endrin aldehyde	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Heptachlor	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Methoxychlor	ND	^	11		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Endrin ketone	ND		2.3		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Toxaphene	ND		110		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
alpha-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
gamma-Chlordane	ND		1.1		ug/Kg	*	05/31/11 11:16	06/07/11 02:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 123				05/31/11 11:16	06/07/11 02:40	1
DCB Decachlorobiphenyl	52	^	40 - 158				05/31/11 11:16	06/07/11 02:40	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			05/31/11 11:19	1
Percent Moisture	14		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP2-052411-0.0-0.5

Lab Sample ID: 580-26377-19

Date Collected: 05/24/11 10:05

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 91.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
alpha-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
beta-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
delta-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
4,4'-DDD	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
4,4'-DDE	3.7		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
4,4'-DDT	3.5	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Dieldrin	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endosulfan I	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endosulfan II	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endosulfan sulfate	ND	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endrin	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endrin aldehyde	ND	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Heptachlor	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Heptachlor epoxide	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Methoxychlor	ND		10		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Endrin ketone	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Toxaphene	ND		100		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
alpha-Chlordane	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
gamma-Chlordane	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 19:16	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		49 - 123				06/01/11 14:52	06/03/11 19:16	1
DCB Decachlorobiphenyl	58	^	40 - 158				06/01/11 14:52	06/03/11 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			05/31/11 11:19	1
Percent Moisture	8.3		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP2-052411-2.0-2.5

Lab Sample ID: 580-26377-20

Date Collected: 05/24/11 10:10

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 82.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
alpha-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
beta-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
delta-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
4,4'-DDD	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
4,4'-DDE	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
4,4'-DDT	ND	^	2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Dieldrin	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endosulfan I	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endosulfan II	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endosulfan sulfate	ND	^	2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endrin	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endrin aldehyde	ND	^	2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Heptachlor	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Methoxychlor	ND		11		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Endrin ketone	ND		2.3		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Toxaphene	ND		110		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 123				06/01/11 14:52	06/03/11 19:35	1
DCB Decachlorobiphenyl	35	X ^ I	40 - 158				06/01/11 14:52	06/03/11 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			05/31/11 11:19	1
Percent Moisture	17		0.10		%			05/31/11 11:19	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-7.5

Lab Sample ID: 580-26377-21

Date Collected: 05/24/11 11:15

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chloromethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Vinyl chloride	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Bromomethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Trichlorofluoromethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1-Dichloroethene	ND		4.7		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Methylene Chloride	ND		14		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
trans-1,2-Dichloroethene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1-Dichloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
2,2-Dichloropropane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
cis-1,2-Dichloroethene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chlorobromomethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chloroform	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1,1-Trichloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Carbon tetrachloride	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1-Dichloropropene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Benzene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,2-Dichloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Trichloroethene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,2-Dichloropropane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Dibromomethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Dichlorobromomethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
cis-1,3-Dichloropropene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Toluene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
trans-1,3-Dichloropropene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1,2-Trichloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Tetrachloroethene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,3-Dichloropropane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chlorodibromomethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Ethylene Dibromide	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Chlorobenzene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Ethylbenzene	5.6		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1,1,2-Tetrachloroethane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
o-Xylene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Styrene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Bromoform	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Isopropylbenzene	15		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
Bromobenzene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
N-Propylbenzene	30		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,2,3-Trichloropropane	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,3,5-Trimethylbenzene	23		4.7		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
tert-Butylbenzene	2.2		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,2,4-Trimethylbenzene	140		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
sec-Butylbenzene	29		1.9		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1
1,3-Dichlorobenzene	ND		0.95		ug/Kg	*	05/27/11 13:09	05/31/11 02:37	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-7.5

Lab Sample ID: 580-26377-21

Date Collected: 05/24/11 11:15

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	32		1.9		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
1,4-Dichlorobenzene	ND		0.95		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
n-Butylbenzene	91		1.9		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
1,2-Dichlorobenzene	ND		0.95		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
Hexachlorobutadiene	ND		0.95		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
Naphthalene	120		4.7		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
Methyl tert-butyl ether	ND		0.95		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
Acetone	29		14		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
4-Methyl-2-pentanone	ND		4.7		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1
2-Butanone	6.5		4.7		ug/Kg	☼	05/27/11 13:09	05/31/11 02:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	99		80 - 120	05/27/11 13:09	05/31/11 02:37	1
Toluene-d8 (Surr)	101		80 - 120	05/27/11 13:09	05/31/11 02:37	1
Ethylbenzene-d10	100		70 - 120	05/27/11 13:09	05/31/11 02:37	1
4-Bromofluorobenzene (Surr)	111		70 - 120	05/27/11 13:09	05/31/11 02:37	1
Trifluorotoluene (Surr)	86		65 - 140	05/27/11 13:09	05/31/11 02:37	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	390	Y	30		mg/Kg	☼	06/02/11 11:58	06/02/11 20:13	1
Motor Oil (>C24-C36)	ND		60		mg/Kg	☼	06/02/11 11:58	06/02/11 20:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	06/02/11 11:58	06/02/11 20:13	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	05/31/11 08:57	05/31/11 17:28	1
Gasoline	54	Y	24		mg/Kg	☼	05/31/11 08:57	05/31/11 17:28	1
#2 Diesel (>C12-C24)	410	Y	60		mg/Kg	☼	05/31/11 08:57	05/31/11 17:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	05/31/11 08:57	05/31/11 17:28	1
4-Bromofluorobenzene (Surr)	86		50 - 150	05/31/11 08:57	05/31/11 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%			05/31/11 09:01	1
Percent Moisture	21		0.10		%			05/31/11 09:01	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-3.0

Lab Sample ID: 580-26377-22

Date Collected: 05/24/11 11:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chloromethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Vinyl chloride	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Bromomethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Trichlorofluoromethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1-Dichloroethene	ND		5.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Methylene Chloride	ND		15		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1-Dichloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
2,2-Dichloropropane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chlorobromomethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chloroform	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Carbon tetrachloride	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1-Dichloropropene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Benzene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,2-Dichloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Trichloroethene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,2-Dichloropropane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Dibromomethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Dichlorobromomethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Toluene	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
trans-1,3-Dichloropropene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Tetrachloroethene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,3-Dichloropropane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chlorodibromomethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Ethylene Dibromide	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Chlorobenzene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Ethylbenzene	29		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
m-Xylene & p-Xylene	13		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
o-Xylene	23		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Styrene	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Bromoform	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Isopropylbenzene	150		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
Bromobenzene	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,2,3-Trichloropropane	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
2-Chlorotoluene	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,3,5-Trimethylbenzene	150		5.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
4-Chlorotoluene	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
tert-Butylbenzene	32		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg	*	05/27/11 13:09	05/31/11 03:01	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-3.0

Lab Sample ID: 580-26377-22

Date Collected: 05/24/11 11:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
Hexachlorobutadiene	ND		0.99		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
Methyl tert-butyl ether	ND		0.99		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
Acetone	390		15		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
2-Butanone	68		5.0		ug/Kg	☼	05/27/11 13:09	05/31/11 03:01	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	98		80 - 120				05/27/11 13:09	05/31/11 03:01	1
Toluene-d8 (Surr)	103		80 - 120				05/27/11 13:09	05/31/11 03:01	1
Ethylbenzene-d10	138	X I	70 - 120				05/27/11 13:09	05/31/11 03:01	1
4-Bromofluorobenzene (Surr)	127	X I	70 - 120				05/27/11 13:09	05/31/11 03:01	1
Trifluorotoluene (Surr)	115		65 - 140				05/27/11 13:09	05/31/11 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	180	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
1,2,4-Trimethylbenzene	760	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
sec-Butylbenzene	320	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
4-Isopropyltoluene	250	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
n-Butylbenzene	230	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
Naphthalene	1700	H	47		ug/Kg	☼	06/08/11 17:15	06/09/11 07:15	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	97		80 - 120				06/08/11 17:15	06/09/11 07:15	1
Toluene-d8 (Surr)	98		80 - 120				06/08/11 17:15	06/09/11 07:15	1
Ethylbenzene-d10	96		70 - 120				06/08/11 17:15	06/09/11 07:15	1
4-Bromofluorobenzene (Surr)	101		70 - 120				06/08/11 17:15	06/09/11 07:15	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4600	Y	31		mg/Kg	☼	06/02/11 11:58	06/02/11 20:37	1
Motor Oil (>C24-C36)	220		61		mg/Kg	☼	06/02/11 11:58	06/02/11 20:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	140		50 - 150				06/02/11 11:58	06/02/11 20:37	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	350		120		mg/Kg	☼	05/31/11 08:57	05/31/11 17:50	1
Gasoline	430	Y	24		mg/Kg	☼	05/31/11 08:57	05/31/11 17:50	1
#2 Diesel (>C12-C24)	3800		61		mg/Kg	☼	05/31/11 08:57	05/31/11 17:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	119		50 - 150				05/31/11 08:57	05/31/11 17:50	1
4-Bromofluorobenzene (Surr)	123		50 - 150				05/31/11 08:57	05/31/11 17:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1
Lead	730		1.5		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-3.0

Lab Sample ID: 580-26377-22

Date Collected: 05/24/11 11:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 80.1

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3.2		3.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1
Cadmium	0.82		0.50		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1
Copper	160		1.0		mg/Kg	☼	06/06/11 13:07	06/07/11 10:37	1
Manganese	390		1.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1
Zinc	870		2.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.019		mg/Kg	☼	06/07/11 08:30	06/07/11 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10		%			05/31/11 09:01	1
Percent Moisture	20		0.10		%			05/31/11 09:01	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-1.5

Lab Sample ID: 580-26377-23

Date Collected: 05/24/11 12:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
alpha-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
beta-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
delta-BHC	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
4,4'-DDD	28	p	2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
4,4'-DDE	ND		2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
4,4'-DDT	ND	^	2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Dieldrin	ND		2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endosulfan I	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endosulfan II	ND		2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endosulfan sulfate	ND	^	2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endrin	ND		2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endrin aldehyde	ND	^	2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Heptachlor	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Methoxychlor	ND		11		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Endrin ketone	ND		2.2		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Toxaphene	ND		110		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/01/11 14:52	06/03/11 19:55	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	40	XI	49 - 123				06/01/11 14:52	06/03/11 19:55	1
DCB Decachlorobiphenyl	81	^	40 - 158				06/01/11 14:52	06/03/11 19:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.2		3.1		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1
Lead	370		1.5		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1
Antimony	3.6		3.1		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1
Cadmium	ND		0.51		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1
Copper	53		1.0		mg/Kg	*	06/06/11 13:07	06/07/11 10:43	1
Manganese	380		1.0		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1
Zinc	570		2.0		mg/Kg	*	06/06/11 13:07	06/06/11 22:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.40		0.030		mg/L		06/06/11 10:58	06/06/11 16:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.24		0.015		mg/Kg	*	06/07/11 08:30	06/07/11 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/01/11 11:39	1
Percent Moisture	14		0.10		%			06/01/11 11:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: J-TP2-052411-0.0-0.5

Lab Sample ID: 580-26377-24

Date Collected: 05/24/11 14:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.6

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
beta-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
delta-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
4,4'-DDD	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
4,4'-DDE	24		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
4,4'-DDT	30	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Dieldrin	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endosulfan II	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endrin	2.8		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Heptachlor	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Methoxychlor	ND		11		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Endrin ketone	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Toxaphene	ND		110		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		49 - 123				06/01/11 14:52	06/03/11 20:14	1
DCB Decachlorobiphenyl	50	^	40 - 158				06/01/11 14:52	06/03/11 20:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1
Lead	410		1.6		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1
Antimony	7.1		3.1		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1
Cadmium	1.4		0.52		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1
Copper	74		1.0		mg/Kg	☼	06/06/11 13:07	06/07/11 10:50	1
Manganese	520		1.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1
Zinc	790		2.1		mg/Kg	☼	06/06/11 13:07	06/06/11 22:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.014		mg/Kg	☼	06/07/11 08:30	06/07/11 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%			06/01/11 11:39	1
Percent Moisture	9.4		0.10		%			06/01/11 11:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: J-TP2-052411-2.0-2.5

Lab Sample ID: 580-26377-25

Date Collected: 05/24/11 14:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 92.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	^	1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
alpha-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
beta-BHC	ND	^	1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
delta-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
gamma-BHC (Lindane)	1.7		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
4,4'-DDD	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
4,4'-DDE	5.0	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
4,4'-DDT	22	^ p	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Dieldrin	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endosulfan I	ND	^	1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endosulfan II	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endrin	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Heptachlor	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Heptachlor epoxide	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Methoxychlor	ND		10		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Endrin ketone	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Toxaphene	ND	^	100		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
alpha-Chlordane	3.0	^ p	1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
gamma-Chlordane	3.8	^ p	1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 23:09	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 123				06/01/11 14:52	06/03/11 23:09	1
DCB Decachlorobiphenyl	63	^	40 - 158				06/01/11 14:52	06/03/11 23:09	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			06/01/11 11:39	1
Percent Moisture	7.9		0.10		%			06/01/11 11:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: N-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-26

Date Collected: 05/24/11 15:15

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 88.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	^	1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
beta-BHC	ND	^	1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
delta-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
4,4'-DDD	ND		2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
4,4'-DDE	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
4,4'-DDT	4.6	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Dieldrin	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endosulfan I	ND	^	1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endosulfan II	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endosulfan sulfate	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endrin	ND		2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endrin aldehyde	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Heptachlor	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Methoxychlor	ND		11		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Endrin ketone	ND	^	2.2		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Toxaphene	ND	^	110		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
alpha-Chlordane	ND	^	1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
gamma-Chlordane	ND	^	1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 23:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 123				06/01/11 14:52	06/03/11 23:29	1
DCB Decachlorobiphenyl	65	^	40 - 158				06/01/11 14:52	06/03/11 23:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		3.3		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1
Lead	40		1.6		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1
Antimony	ND		3.3		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1
Cadmium	ND	L	0.54		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1
Copper	25		1.1		mg/Kg	☼	06/06/11 13:07	06/07/11 10:56	1
Manganese	500		1.1		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1
Zinc	97		2.2		mg/Kg	☼	06/06/11 13:07	06/06/11 22:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096		0.016		mg/Kg	☼	06/07/11 08:30	06/07/11 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%			06/01/11 11:39	1
Percent Moisture	11		0.10		%			06/01/11 11:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: N-TP1-052411-2.0-2.5

Lab Sample ID: 580-26377-27

Date Collected: 05/24/11 15:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 88.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
beta-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
delta-BHC	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
4,4'-DDD	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
4,4'-DDE	2.4		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
4,4'-DDT	2.9	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Dieldrin	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endosulfan II	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endrin	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Heptachlor	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Methoxychlor	ND		11		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Endrin ketone	ND		2.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Toxaphene	ND		110		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/01/11 14:52	06/03/11 20:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	66		49 - 123				06/01/11 14:52	06/03/11 20:33	1
<i>DCB Decachlorobiphenyl</i>	41	^	40 - 158				06/01/11 14:52	06/03/11 20:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%			06/01/11 11:39	1
Percent Moisture	11		0.10		%			06/01/11 11:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-0.0-0.5

Lab Sample ID: 580-26377-28

Date Collected: 05/24/11 11:00

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 94.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
alpha-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
beta-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
delta-BHC	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
4,4'-DDD	5.2		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
4,4'-DDE	5.2		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
4,4'-DDT	2.2	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Dieldrin	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endosulfan I	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endosulfan II	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endosulfan sulfate	ND	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endrin	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endrin aldehyde	ND	^	2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Heptachlor	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Heptachlor epoxide	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Methoxychlor	ND		10		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Endrin ketone	ND		2.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Toxaphene	ND		100		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
alpha-Chlordane	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
gamma-Chlordane	ND		1.0		ug/Kg	☼	06/01/11 14:52	06/03/11 20:53	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	56		49 - 123				06/01/11 14:52	06/03/11 20:53	1
<i>DCB Decachlorobiphenyl</i>	64	^	40 - 158				06/01/11 14:52	06/03/11 20:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1
Lead	67		1.5		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1
Antimony	ND		2.9		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1
Cadmium	ND		0.49		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1
Copper	41		0.98		mg/Kg	☼	06/06/11 13:07	06/07/11 11:02	1
Manganese	560		0.98		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1
Zinc	210		2.0		mg/Kg	☼	06/06/11 13:07	06/06/11 22:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.017		mg/Kg	☼	06/07/11 08:30	06/07/11 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%			06/01/11 11:39	1
Percent Moisture	5.9		0.10		%			06/01/11 11:39	1

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

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

Lab Sample ID: MB 580-86872/1-A
Matrix: Solid
Analysis Batch: 86901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86872

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chloromethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Vinyl chloride	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Bromomethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Trichlorofluoromethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1-Dichloroethene	ND		5.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Methylene Chloride	ND		15		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1-Dichloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
2,2-Dichloropropane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chlorobromomethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chloroform	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Carbon tetrachloride	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1-Dichloropropene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Benzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2-Dichloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Trichloroethene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2-Dichloropropane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Dibromomethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Dichlorobromomethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Toluene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Tetrachloroethene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,3-Dichloropropane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chlorodibromomethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Ethylene Dibromide	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Chlorobenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Ethylbenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
o-Xylene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Styrene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Bromoform	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Isopropylbenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Bromobenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
N-Propylbenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
2-Chlorotoluene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
4-Chlorotoluene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
tert-Butylbenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
sec-Butylbenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1



QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

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

Lab Sample ID: MB 580-86872/1-A

Matrix: Solid

Analysis Batch: 86901

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86872

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichlorobenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
4-Isopropyltoluene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
n-Butylbenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Hexachlorobutadiene	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Naphthalene	ND		5.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
Acetone	ND		15		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1
2-Butanone	ND		5.0		ug/Kg		05/27/11 13:09	05/30/11 18:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Fluorobenzene (Surr)	100		80 - 120	05/27/11 13:09	05/30/11 18:33	1
Toluene-d8 (Surr)	94		80 - 120	05/27/11 13:09	05/30/11 18:33	1
Ethylbenzene-d10	96		70 - 120	05/27/11 13:09	05/30/11 18:33	1
4-Bromofluorobenzene (Surr)	98		70 - 120	05/27/11 13:09	05/30/11 18:33	1
Trifluorotoluene (Surr)	122		65 - 140	05/27/11 13:09	05/30/11 18:33	1

Lab Sample ID: LCS 580-86872/2-A

Matrix: Solid

Analysis Batch: 86901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86872

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	40.0	47.6		ug/Kg		119	65 - 135
Benzene	40.0	42.3		ug/Kg		106	75 - 125
Trichloroethene	40.0	43.7		ug/Kg		109	75 - 125
Toluene	40.0	40.8		ug/Kg		102	70 - 125
Chlorobenzene	40.0	41.6		ug/Kg		104	75 - 125

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	93		80 - 120
Ethylbenzene-d10	103		70 - 120
4-Bromofluorobenzene (Surr)	96		70 - 120
Trifluorotoluene (Surr)	115		65 - 140

Lab Sample ID: LCSD 580-86872/3-A

Matrix: Solid

Analysis Batch: 86901

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86872

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
1,1-Dichloroethene	40.0	41.5		ug/Kg		104	65 - 135	14	30
Benzene	40.0	40.9		ug/Kg		102	75 - 125	3	30
Trichloroethene	40.0	40.4		ug/Kg		101	75 - 125	8	30
Toluene	40.0	41.9		ug/Kg		105	70 - 125	3	30

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

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

Lab Sample ID: LCS5 580-86872/3-A

Matrix: Solid

Analysis Batch: 86901

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits	RPD		
Chlorobenzene	40.0	46.8		ug/Kg		117	75 - 125	12	30	
LCSD LCSD										
Surrogate	% Recovery	Qualifier	Limits							
Fluorobenzene (Surr)	100		80 - 120							
Toluene-d8 (Surr)	97		80 - 120							
Ethylbenzene-d10	115		70 - 120							
4-Bromofluorobenzene (Surr)	106		70 - 120							
Trifluorotoluene (Surr)	108		65 - 140							

Lab Sample ID: MB 580-87530/1-A

Matrix: Solid

Analysis Batch: 87540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
										N-Propylbenzene
1,2,4-Trimethylbenzene	ND		40		ug/Kg		06/08/11 17:15	06/09/11 03:40	1	
sec-Butylbenzene	ND		40		ug/Kg		06/08/11 17:15	06/09/11 03:40	1	
4-Isopropyltoluene	ND		40		ug/Kg		06/08/11 17:15	06/09/11 03:40	1	
n-Butylbenzene	ND		40		ug/Kg		06/08/11 17:15	06/09/11 03:40	1	
Naphthalene	ND		40		ug/Kg		06/08/11 17:15	06/09/11 03:40	1	
MB MB										
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Fluorobenzene (Surr)	99		80 - 120	06/08/11 17:15	06/09/11 03:40	1				
Toluene-d8 (Surr)	99		80 - 120	06/08/11 17:15	06/09/11 03:40	1				
Ethylbenzene-d10	97		70 - 120	06/08/11 17:15	06/09/11 03:40	1				
4-Bromofluorobenzene (Surr)	103		70 - 120	06/08/11 17:15	06/09/11 03:40	1				
Trifluorotoluene (Surr)	99		65 - 140	06/08/11 17:15	06/09/11 03:40	1				

Lab Sample ID: LCS 580-87530/2-A

Matrix: Solid

Analysis Batch: 87540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.		
							Limits	RPD	
N-Propylbenzene	800	664		ug/Kg		83	65 - 135		
1,2,4-Trimethylbenzene	801	748		ug/Kg		93	65 - 135		
sec-Butylbenzene	800	724		ug/Kg		90	65 - 130		
4-Isopropyltoluene	796	704		ug/Kg		88	75 - 135		
n-Butylbenzene	792	792		ug/Kg		100	65 - 140		
Naphthalene	800	944		ug/Kg		118	40 - 125		
LCS LCS									
Surrogate	% Recovery	Qualifier	Limits						
Fluorobenzene (Surr)	99		80 - 120						
Toluene-d8 (Surr)	100		80 - 120						
Ethylbenzene-d10	99		70 - 120						
4-Bromofluorobenzene (Surr)	105		70 - 120						
Trifluorotoluene (Surr)	92		65 - 140						

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

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

Lab Sample ID: LCSD 580-87530/3-A
Matrix: Solid
Analysis Batch: 87540

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87530

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	RPD	
N-Propylbenzene	800	684		ug/Kg		86	65 - 135	3	30
1,2,4-Trimethylbenzene	801	772		ug/Kg		96	65 - 135	3	30
sec-Butylbenzene	800	744		ug/Kg		93	65 - 130	3	30
4-Isopropyltoluene	796	720		ug/Kg		90	75 - 135	2	30
n-Butylbenzene	792	812		ug/Kg		103	65 - 140	2	30
Naphthalene	800	920		ug/Kg		115	40 - 125	3	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	95		80 - 120
Ethylbenzene-d10	96		70 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Trifluorotoluene (Surr)	94		65 - 140

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-86934/1-A
Matrix: Solid
Analysis Batch: 87303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86934

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
alpha-BHC	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
beta-BHC	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
delta-BHC	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
gamma-BHC (Lindane)	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
4,4'-DDD	ND		2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
4,4'-DDE	ND		2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
4,4'-DDT	ND	^	2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Dieldrin	ND		2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endosulfan I	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endosulfan II	ND	^	2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endosulfan sulfate	ND	^	2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endrin	ND		2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endrin aldehyde	ND	^	2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Heptachlor	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Heptachlor epoxide	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Methoxychlor	ND	^	10		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Endrin ketone	ND		2.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
Toxaphene	ND		100		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
alpha-Chlordane	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	
gamma-Chlordane	ND		1.0		ug/Kg	05/31/11 11:16	06/06/11 17:54	1	

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	87		49 - 123	05/31/11 11:16	06/06/11 17:54	1
DCB Decachlorobiphenyl	84	^	40 - 158	05/31/11 11:16	06/06/11 17:54	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-86934/2-A
Matrix: Solid
Analysis Batch: 87303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Aldrin	20.0	21.1		ug/Kg		106	53 - 126	
alpha-BHC	20.0	18.6		ug/Kg		93	41 - 128	
beta-BHC	20.0	18.5		ug/Kg		93	48 - 121	
delta-BHC	20.0	13.6		ug/Kg		68	22 - 153	
gamma-BHC (Lindane)	20.0	17.6		ug/Kg		88	50 - 127	
4,4'-DDD	20.0	18.6		ug/Kg		93	44 - 141	
4,4'-DDE	20.0	20.7		ug/Kg		104	47 - 140	
4,4'-DDT	20.0	18.1	^	ug/Kg		91	34 - 159	
Dieldrin	20.0	20.6		ug/Kg		103	53 - 134	
Endosulfan I	20.0	19.9		ug/Kg		100	52 - 122	
Endosulfan II	20.0	18.0	^	ug/Kg		90	53 - 132	
Endosulfan sulfate	20.0	16.5	^	ug/Kg		83	42 - 128	
Endrin	20.0	22.5		ug/Kg		113	46 - 138	
Endrin aldehyde	20.0	17.9	^	ug/Kg		90	12 - 179	
Heptachlor	20.0	20.2		ug/Kg		101	50 - 130	
Heptachlor epoxide	20.0	20.1		ug/Kg		101	49 - 123	
Methoxychlor	20.0	18.9	^	ug/Kg		95	46 - 154	
Endrin ketone	20.0	18.1		ug/Kg		91	45 - 127	
alpha-Chlordane	20.0	19.5		ug/Kg		98	46 - 118	
gamma-Chlordane	20.0	19.0		ug/Kg		95	49 - 122	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	86		49 - 123
DCB Decachlorobiphenyl	82	^	40 - 158

Lab Sample ID: 580-26377-1 MS
Matrix: Solid
Analysis Batch: 87303

Client Sample ID: K-TP1-052311-0.0-0.5
Prep Type: Total/NA
Prep Batch: 86934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec.	
									Limits	
Aldrin	ND		20.9	17.6		ug/Kg	☼	84	53 - 126	
alpha-BHC	ND		20.9	17.0		ug/Kg	☼	81	41 - 128	
beta-BHC	ND		20.9	16.1		ug/Kg	☼	77	48 - 121	
delta-BHC	ND		20.9	15.8		ug/Kg	☼	75	22 - 153	
gamma-BHC (Lindane)	ND		20.9	15.8		ug/Kg	☼	75	50 - 127	
4,4'-DDD	ND		20.9	16.8		ug/Kg	☼	81	44 - 141	
4,4'-DDE	9.1		20.9	25.8		ug/Kg	☼	80	47 - 140	
4,4'-DDT	13	^	20.9	31.8	^	ug/Kg	☼	89	34 - 159	
Dieldrin	2.9		20.9	19.1		ug/Kg	☼	85	53 - 134	
Endosulfan I	ND		20.9	16.3		ug/Kg	☼	78	52 - 122	
Endosulfan II	ND	^	20.9	16.2	^	ug/Kg	☼	77	53 - 132	
Endosulfan sulfate	ND	^	20.9	15.2	^	ug/Kg	☼	72	42 - 128	
Endrin	ND		20.9	20.7		ug/Kg	☼	99	46 - 138	
Endrin aldehyde	ND	^	20.9	15.4	^	ug/Kg	☼	74	12 - 179	
Heptachlor	ND		20.9	21.2		ug/Kg	☼	101	50 - 130	
Heptachlor epoxide	ND		20.9	21.1		ug/Kg	☼	101	49 - 123	
Methoxychlor	ND	^	20.9	21.7	^	ug/Kg	☼	103	46 - 154	
Endrin ketone	ND		20.9	16.9		ug/Kg	☼	81	45 - 127	
alpha-Chlordane	ND		20.9	16.7		ug/Kg	☼	80	46 - 118	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26377-1 MS

Matrix: Solid

Analysis Batch: 87303

Client Sample ID: K-TP1-052311-0.0-0.5

Prep Type: Total/NA

Prep Batch: 86934

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
gamma-Chlordane	ND		20.9	18.0		ug/Kg	☼	86	49 - 122	
MS MS										
Surrogate	% Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	71		49 - 123							
DCB Decachlorobiphenyl	65	^	40 - 158							

Lab Sample ID: 580-26377-1 MSD

Matrix: Solid

Analysis Batch: 87303

Client Sample ID: K-TP1-052311-0.0-0.5

Prep Type: Total/NA

Prep Batch: 86934

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit
Aldrin	ND		21.0	17.6		ug/Kg	☼	84	53 - 126	0	30
alpha-BHC	ND		21.0	17.7		ug/Kg	☼	84	41 - 128	4	30
beta-BHC	ND		21.0	16.7		ug/Kg	☼	79	48 - 121	3	30
delta-BHC	ND		21.0	19.5		ug/Kg	☼	93	22 - 153	21	30
gamma-BHC (Lindane)	ND		21.0	16.8		ug/Kg	☼	80	50 - 127	6	30
4,4'-DDD	ND		21.0	17.8		ug/Kg	☼	85	44 - 141	6	30
4,4'-DDE	9.1		21.0	27.7		ug/Kg	☼	89	47 - 140	7	30
4,4'-DDT	13	^	21.0	32.4	^	ug/Kg	☼	91	34 - 159	2	30
Dieldrin	2.9		21.0	20.2		ug/Kg	☼	90	53 - 134	6	30
Endosulfan I	ND		21.0	18.4		ug/Kg	☼	87	52 - 122	12	30
Endosulfan II	ND	^	21.0	16.6	^	ug/Kg	☼	79	53 - 132	2	30
Endosulfan sulfate	ND	^	21.0	15.7	^	ug/Kg	☼	75	42 - 128	4	30
Endrin	ND		21.0	22.1		ug/Kg	☼	106	46 - 138	7	30
Endrin aldehyde	ND	^	21.0	15.9	^	ug/Kg	☼	76	12 - 179	4	30
Heptachlor	ND		21.0	25.7		ug/Kg	☼	122	50 - 130	19	30
Heptachlor epoxide	ND		21.0	19.6		ug/Kg	☼	93	49 - 123	7	30
Methoxychlor	ND	^	21.0	23.9	^	ug/Kg	☼	114	46 - 154	10	30
Endrin ketone	ND		21.0	19.1		ug/Kg	☼	91	45 - 127	12	30
alpha-Chlordane	ND		21.0	20.5		ug/Kg	☼	97	46 - 118	20	30
gamma-Chlordane	ND		21.0	15.8		ug/Kg	☼	75	49 - 122	13	30
MSD MSD											
Surrogate	% Recovery	Qualifier	Limits								
Tetrachloro-m-xylene	81		49 - 123								
DCB Decachlorobiphenyl	67	^	40 - 158								

Lab Sample ID: MB 580-87028/1-A

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87028

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
alpha-BHC	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
beta-BHC	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
delta-BHC	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
4,4'-DDD	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
4,4'-DDE	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
4,4'-DDT	ND	^	2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 580-87028/1-A

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87028

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dieldrin	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endosulfan I	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endosulfan II	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endosulfan sulfate	ND	^	2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endrin	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endrin aldehyde	ND	^	2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Heptachlor	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Methoxychlor	ND		10		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Endrin ketone	ND		2.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
Toxaphene	ND		100		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
alpha-Chlordane	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1
gamma-Chlordane	ND		1.0		ug/Kg		06/01/11 14:52	06/03/11 18:37	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	94		49 - 123	06/01/11 14:52	06/03/11 18:37	1
DCB Decachlorobiphenyl	83	^	40 - 158	06/01/11 14:52	06/03/11 18:37	1

Lab Sample ID: LCS 580-87028/2-A

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87028

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aldrin	20.0	20.4		ug/Kg		102	53 - 126
alpha-BHC	20.0	18.1		ug/Kg		91	41 - 128
beta-BHC	20.0	18.4		ug/Kg		92	48 - 121
delta-BHC	20.0	17.1		ug/Kg		86	22 - 153
gamma-BHC (Lindane)	20.0	18.7		ug/Kg		94	50 - 127
4,4'-DDD	20.0	19.6		ug/Kg		98	44 - 141
4,4'-DDE	20.0	20.0		ug/Kg		100	47 - 140
4,4'-DDT	20.0	14.9	^	ug/Kg		75	34 - 159
Dieldrin	20.0	19.9		ug/Kg		100	53 - 134
Endosulfan I	20.0	19.3		ug/Kg		97	52 - 122
Endosulfan II	20.0	18.9		ug/Kg		95	53 - 132
Endosulfan sulfate	20.0	18.1	^	ug/Kg		91	42 - 128
Endrin	20.0	21.7		ug/Kg		109	46 - 138
Endrin aldehyde	20.0	18.5	^	ug/Kg		93	12 - 179
Heptachlor	20.0	19.4		ug/Kg		97	50 - 130
Heptachlor epoxide	20.0	19.6		ug/Kg		98	49 - 123
Methoxychlor	20.0	18.0		ug/Kg		90	46 - 154
Endrin ketone	20.0	19.6		ug/Kg		98	45 - 127
alpha-Chlordane	20.0	18.8		ug/Kg		94	46 - 118
gamma-Chlordane	20.0	18.8		ug/Kg		94	49 - 122

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	97		49 - 123
DCB Decachlorobiphenyl	90	^	40 - 158

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26377-28 MS

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: I-TP3-052411-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87028

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Aldrin	ND		20.5	11.4		ug/Kg	*	55	53 - 126	
alpha-BHC	ND		20.5	11.1		ug/Kg	*	54	41 - 128	
beta-BHC	ND		20.5	10.0		ug/Kg	*	49	48 - 121	
delta-BHC	ND		20.5	9.36		ug/Kg	*	46	22 - 153	
gamma-BHC (Lindane)	ND		20.5	12.4		ug/Kg	*	60	50 - 127	
4,4'-DDD	5.2		20.5	19.0		ug/Kg	*	67	44 - 141	
4,4'-DDE	5.2		20.5	17.9		ug/Kg	*	62	47 - 140	
4,4'-DDT	2.2		20.5	14.2	^	ug/Kg	*	58	34 - 159	
Dieldrin	ND		20.5	14.7		ug/Kg	*	71	53 - 134	
Endosulfan I	ND		20.5	11.6		ug/Kg	*	56	52 - 122	
Endosulfan II	ND		20.5	13.9		ug/Kg	*	67	53 - 132	
Endosulfan sulfate	ND		20.5	12.8	^	ug/Kg	*	62	42 - 128	
Endrin	ND		20.5	18.6		ug/Kg	*	91	46 - 138	
Endrin aldehyde	ND		20.5	13.1	^	ug/Kg	*	64	12 - 179	
Heptachlor	ND		20.5	13.9		ug/Kg	*	67	50 - 130	
Heptachlor epoxide	ND		20.5	8.39	F	ug/Kg	*	41	49 - 123	
Methoxychlor	ND		20.5	19.1		ug/Kg	*	93	46 - 154	
Endrin ketone	ND		20.5	18.1		ug/Kg	*	88	45 - 127	
alpha-Chlordane	ND		20.5	11.1		ug/Kg	*	54	46 - 118	
gamma-Chlordane	ND		20.5	11.4		ug/Kg	*	55	49 - 122	
		MS MS								
Surrogate	% Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	48	X I	49 - 123							
DCB Decachlorobiphenyl	55	^	40 - 158							

Lab Sample ID: 580-26377-28 MSD

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: I-TP3-052411-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87028

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aldrin	ND		20.5	11.4		ug/Kg	*	56	53 - 126	0	30	
alpha-BHC	ND		20.5	11.1		ug/Kg	*	54	41 - 128	0	30	
beta-BHC	ND		20.5	9.94		ug/Kg	*	48	48 - 121	1	30	
delta-BHC	ND		20.5	9.16		ug/Kg	*	45	22 - 153	2	30	
gamma-BHC (Lindane)	ND		20.5	12.4		ug/Kg	*	61	50 - 127	0	30	
4,4'-DDD	5.2		20.5	18.6		ug/Kg	*	65	44 - 141	2	30	
4,4'-DDE	5.2		20.5	18.1		ug/Kg	*	63	47 - 140	1	30	
4,4'-DDT	2.2		20.5	13.4	^	ug/Kg	*	55	34 - 159	5	30	
Dieldrin	ND		20.5	14.6		ug/Kg	*	71	53 - 134	1	30	
Endosulfan I	ND		20.5	11.5		ug/Kg	*	56	52 - 122	1	30	
Endosulfan II	ND		20.5	13.2		ug/Kg	*	65	53 - 132	5	30	
Endosulfan sulfate	ND		20.5	12.5	^	ug/Kg	*	61	42 - 128	2	30	
Endrin	ND		20.5	18.0		ug/Kg	*	88	46 - 138	3	30	
Endrin aldehyde	ND		20.5	12.5	^	ug/Kg	*	61	12 - 179	5	30	
Heptachlor	ND		20.5	14.0		ug/Kg	*	68	50 - 130	1	30	
Heptachlor epoxide	ND		20.5	8.30	F	ug/Kg	*	40	49 - 123	1	30	
Methoxychlor	ND		20.5	17.8		ug/Kg	*	87	46 - 154	7	30	
Endrin ketone	ND		20.5	17.1		ug/Kg	*	84	45 - 127	5	30	
alpha-Chlordane	ND		20.5	11.2		ug/Kg	*	55	46 - 118	1	30	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26377-28 MSD

Matrix: Solid

Analysis Batch: 87207

Client Sample ID: I-TP3-052411-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87028

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
gamma-Chlordane	ND		20.5	11.5		ug/Kg	☼	56	49 - 122	1	30
MSD MSD											
Surrogate	% Recovery	Qualifier	Limits								
Tetrachloro-m-xylene	54		49 - 123								
DCB Decachlorobiphenyl	62	^	40 - 158								

Lab Sample ID: MB 580-88316/1-A

Matrix: Solid

Analysis Batch: 88444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88316

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
alpha-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
beta-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
delta-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDD	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDE	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDT	ND	^	2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Dieldrin	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan I	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan II	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan sulfate	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin aldehyde	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Heptachlor	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Methoxychlor	ND		10		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin ketone	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
alpha-Chlordane	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
gamma-Chlordane	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
MB MB									
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Tetrachloro-m-xylene	105		49 - 123			06/20/11 09:58	06/21/11 17:33	1	
DCB Decachlorobiphenyl	110		40 - 158			06/20/11 09:58	06/21/11 17:33	1	

Lab Sample ID: MB 580-88316/1-A

Matrix: Solid

Analysis Batch: 88541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88316

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toxaphene	ND		100		ug/Kg		06/20/11 09:58	06/22/11 12:27	1
MB MB									
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Tetrachloro-m-xylene	110		49 - 123			06/20/11 09:58	06/22/11 12:27	1	
DCB Decachlorobiphenyl	99		40 - 158			06/20/11 09:58	06/22/11 12:27	1	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-88316/2-A
Matrix: Solid
Analysis Batch: 88444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88316

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aldrin	20.0	20.3		ug/Kg		102	53 - 126
alpha-BHC	20.0	19.9		ug/Kg		100	41 - 128
beta-BHC	20.0	19.7		ug/Kg		99	48 - 121
delta-BHC	20.0	19.9		ug/Kg		100	22 - 153
gamma-BHC (Lindane)	20.0	19.4		ug/Kg		97	50 - 127
4,4'-DDD	20.0	24.2		ug/Kg		121	44 - 141
4,4'-DDE	20.0	21.2		ug/Kg		106	47 - 140
4,4'-DDT	20.0	13.4	^	ug/Kg		67	34 - 159
Dieldrin	20.0	20.9		ug/Kg		105	53 - 134
Endosulfan I	20.0	20.3		ug/Kg		102	52 - 122
Endosulfan II	20.0	20.7		ug/Kg		104	53 - 132
Endosulfan sulfate	20.0	20.3		ug/Kg		102	42 - 128
Endrin	20.0	21.7		ug/Kg		109	46 - 138
Endrin aldehyde	20.0	21.2		ug/Kg		106	12 - 179
Heptachlor	20.0	20.7		ug/Kg		104	50 - 130
Heptachlor epoxide	20.0	20.7		ug/Kg		104	49 - 123
Methoxychlor	20.0	15.5		ug/Kg		78	46 - 154
Endrin ketone	20.0	20.7		ug/Kg		104	45 - 127
alpha-Chlordane	20.0	20.3		ug/Kg		102	46 - 118
gamma-Chlordane	20.0	20.4		ug/Kg		102	49 - 122

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	103		49 - 123
DCB Decachlorobiphenyl	111		40 - 158

Lab Sample ID: LCS 580-88316/2-A
Matrix: Solid
Analysis Batch: 88541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88316

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	113		49 - 123
DCB Decachlorobiphenyl	105		40 - 158

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-87101/1-B
Matrix: Solid
Analysis Batch: 87061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87101

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/02/11 11:58	06/02/11 14:45	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/02/11 11:58	06/02/11 14:45	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
o-Terphenyl	85		50 - 150	06/02/11 11:58	06/02/11 14:45	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-87101/2-B
Matrix: Solid
Analysis Batch: 87061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87101

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.		
		Result	Qualifier				Limits		
#2 Diesel (C10-C24)	500	427		mg/Kg		85	64 - 127		
Motor Oil (>C24-C36)	500	391		mg/Kg		78	70 - 125		
		LCS	LCS						
Surrogate	% Recovery	Qualifier	Limits						
<i>o-Terphenyl</i>	81		50 - 150						

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-86922/1-A
Matrix: Solid
Analysis Batch: 86946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86922

Analyte	MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Motor Oil	ND		100		mg/Kg		05/31/11 08:57	05/31/11 15:39	1
Gasoline	ND		20		mg/Kg		05/31/11 08:57	05/31/11 15:39	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		05/31/11 08:57	05/31/11 15:39	1
		MB	MB						
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
<i>o-Terphenyl</i>	99		50 - 150			05/31/11 08:57	05/31/11 15:39	1	
<i>4-Bromofluorobenzene (Surr)</i>	94		50 - 150			05/31/11 08:57	05/31/11 15:39	1	

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 580-87248/8-A
Matrix: Solid
Analysis Batch: 87315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87248

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Lead	1.00	0.892		mg/L		89	80 - 120	

Lab Sample ID: LCSD 580-87248/9-A
Matrix: Solid
Analysis Batch: 87315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87248

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Lead	1.00	0.899		mg/L		90	80 - 120	1	20	

Lab Sample ID: MB 580-87281/22-A
Matrix: Solid
Analysis Batch: 87325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87281

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Lead	ND		1.5		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Antimony	ND		3.0		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Cadmium	ND		0.50		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Copper	ND		1.0		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Manganese	ND		1.0		mg/Kg		06/06/11 13:07	06/06/11 19:22	1
Zinc	ND		2.0		mg/Kg		06/06/11 13:07	06/06/11 19:22	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 580-87281/22-A
Matrix: Solid
Analysis Batch: 87429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87281

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		06/06/11 13:07	06/07/11 10:13	1
Lead	ND		1.5		mg/Kg		06/06/11 13:07	06/07/11 10:13	1
Antimony	ND		3.0		mg/Kg		06/06/11 13:07	06/07/11 10:13	1
Cadmium	ND		0.50		mg/Kg		06/06/11 13:07	06/07/11 10:13	1
Copper	ND		1.0		mg/Kg		06/06/11 13:07	06/07/11 10:13	1
Zinc	ND		2.0		mg/Kg		06/06/11 13:07	06/07/11 10:13	1

Lab Sample ID: LCS 580-87281/23-A
Matrix: Solid
Analysis Batch: 87325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	188		mg/Kg		94	80 - 120	
Lead	50.0	46.1		mg/Kg		92	80 - 120	
Antimony	150	131		mg/Kg		87	80 - 120	
Cadmium	5.00	4.84		mg/Kg		97	80 - 120	
Copper	25.0	23.8		mg/Kg		95	80 - 120	
Manganese	50.0	50.2		mg/Kg		100	80 - 120	
Zinc	50.0	46.7		mg/Kg		93	80 - 120	

Lab Sample ID: LCS 580-87281/23-A
Matrix: Solid
Analysis Batch: 87429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	191		mg/Kg		95	80 - 120	
Lead	50.0	47.8		mg/Kg		96	80 - 120	
Antimony	150	138		mg/Kg		92	80 - 120	
Cadmium	5.00	4.82		mg/Kg		96	80 - 120	
Copper	25.0	24.1		mg/Kg		96	80 - 120	
Zinc	50.0	47.0		mg/Kg		94	80 - 120	

Lab Sample ID: LCSD 580-87281/24-A
Matrix: Solid
Analysis Batch: 87325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits		RPD	Limit
Arsenic	200	190		mg/Kg		95	80 - 120	1	20	
Lead	50.0	46.8		mg/Kg		94	80 - 120	2	20	
Antimony	150	132		mg/Kg		88	80 - 120	1	20	
Cadmium	5.00	4.90		mg/Kg		98	80 - 120	1	20	
Copper	25.0	23.6		mg/Kg		94	80 - 120	1	20	
Manganese	50.0	50.4		mg/Kg		101	80 - 120	0	20	
Zinc	50.0	47.0		mg/Kg		94	80 - 120	1	20	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-87281/24-A
Matrix: Solid
Analysis Batch: 87429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87281

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	RPD	
Arsenic	200	191		mg/Kg		95	80 - 120	0	20
Lead	50.0	48.1		mg/Kg		96	80 - 120	0	20
Antimony	150	139		mg/Kg		93	80 - 120	1	20
Cadmium	5.00	4.78		mg/Kg		96	80 - 120	1	20
Copper	25.0	24.1		mg/Kg		96	80 - 120	0	20
Zinc	50.0	46.7		mg/Kg		93	80 - 120	1	20

Lab Sample ID: MB 580-87180/1-B
Matrix: Solid
Analysis Batch: 87315

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 87248

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.030		mg/L		06/06/11 10:58	06/06/11 16:23	1

Lab Sample ID: MB 580-87180/4-B
Matrix: Solid
Analysis Batch: 87315

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 87248

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.030		mg/L		06/06/11 10:58	06/06/11 15:38	1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-87297/18-A
Matrix: Solid
Analysis Batch: 87386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87297

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.017		mg/Kg		06/07/11 08:30	06/07/11 10:31	1

Lab Sample ID: LCS 580-87297/19-A
Matrix: Solid
Analysis Batch: 87386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87297

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Mercury	0.167	0.189		mg/Kg		113	80 - 120	

Lab Sample ID: LCSD 580-87297/20-A
Matrix: Solid
Analysis Batch: 87386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87297

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	RPD	
Mercury	0.167	0.183		mg/Kg		110	80 - 120	3	20

Lab Sample ID: 580-26377-14 MS
Matrix: Solid
Analysis Batch: 87386

Client Sample ID: J-TP1-052411-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	RPD
Mercury	0.25		0.155	0.396		mg/Kg	✱	96	80 - 120	

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 580-26377-14 MSD
 Matrix: Solid
 Analysis Batch: 87386

Client Sample ID: J-TP1-052411-0.0-0.5
 Prep Type: Total/NA
 Prep Batch: 87297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.25		0.154	0.375		mg/Kg	✱	83	80 - 120	6	20

Lab Sample ID: 580-26377-14 DU
 Matrix: Solid
 Analysis Batch: 87386

Client Sample ID: J-TP1-052411-0.0-0.5
 Prep Type: Total/NA
 Prep Batch: 87297

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.25		0.329	F	mg/Kg	✱	28	20

Method: Moisture - Percent Moisture

Lab Sample ID: 580-26377-21 DU
 Matrix: Solid
 Analysis Batch: 86925

Client Sample ID: I-TP3-052411-7.5
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	79		81		%		2	20
Percent Moisture	21		19		%		9	20

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP1-052311-0.0-0.5

Lab Sample ID: 580-26377-1

Date Collected: 05/23/11 13:50

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 18:33	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: K-TP1-052311-2.0-2.5

Lab Sample ID: 580-26377-2

Date Collected: 05/23/11 13:55

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 19:31	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: K-TP2-052311-1.0-1.5

Lab Sample ID: 580-26377-3

Date Collected: 05/23/11 14:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 19:50	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: K-TP2-052311-3.5-4.0

Lab Sample ID: 580-26377-4

Date Collected: 05/23/11 14:45

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 20:10	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: K-TP3-052311-0.0-0.5

Lab Sample ID: 580-26377-5

Date Collected: 05/23/11 15:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 20:29	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: K-TP3-052311-2.0-2.5

Lab Sample ID: 580-26377-6

Date Collected: 05/23/11 15:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 20:49	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP1-052311-0.0-0.5

Lab Sample ID: 580-26377-7

Date Collected: 05/23/11 16:14

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 22:26	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP1-052311-3.0-3.5

Lab Sample ID: 580-26377-8

Date Collected: 05/23/11 16:20

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 45.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 22:46	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP2-052311-0.0-0.5

Lab Sample ID: 580-26377-9

Date Collected: 05/23/11 16:50

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 23:05	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP2.2-052311-0.0-0.5

Lab Sample ID: 580-26377-10

Date Collected: 05/23/11 16:55

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88444	06/21/11 18:12	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 13:06	CM	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: L-TP2-052311-2.0-2.5

Lab Sample ID: 580-26377-11

Date Collected: 05/23/11 17:00

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 23:25	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP3-052411-0.0-0.5

Lab Sample ID: 580-26377-12

Date Collected: 05/24/11 07:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/06/11 23:44	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: L-TP3-052411-2.0-2.5

Lab Sample ID: 580-26377-13

Date Collected: 05/24/11 07:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/07/11 00:04	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: J-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-14

Date Collected: 05/24/11 08:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/07/11 00:23	MAM	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:28	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA
Total/NA	Analysis	7471A		1	87386	06/07/11 10:36	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 10:31	SP	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: J-TP1-052411-3.0-3.5

Lab Sample ID: 580-26377-15

Date Collected: 05/24/11 08:40

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 61.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/07/11 00:43	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-16

Date Collected: 05/24/11 09:20

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/07/11 01:02	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: I-TP1-052411-6.0

Lab Sample ID: 580-26377-17

Date Collected: 05/24/11 09:25

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			86934	05/31/11 11:16	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87303	06/07/11 02:40	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: I-TP2-052411-0.0-0.5

Lab Sample ID: 580-26377-19

Date Collected: 05/24/11 10:05

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 19:16	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: I-TP2-052411-2.0-2.5

Lab Sample ID: 580-26377-20

Date Collected: 05/24/11 10:10

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 19:35	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 11:19	KKW	TAL SEA

Client Sample ID: I-TP3-052411-7.5

Lab Sample ID: 580-26377-21

Date Collected: 05/24/11 11:15

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			86872	05/27/11 13:09	SK	TAL SEA
Total/NA	Analysis	8260B		1	86901	05/31/11 02:37	SK	TAL SEA
Total/NA	Prep	3550B			86922	05/31/11 08:57	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	86946	05/31/11 17:28	EK	TAL SEA
Total/NA	Prep	3550B			87101	06/02/11 11:58	KKW	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	87061	06/02/11 20:13	ES	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 09:01	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-3.0

Lab Sample ID: 580-26377-22

Date Collected: 05/24/11 11:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			86872	05/27/11 13:09	SK	TAL SEA
Total/NA	Analysis	8260B		1	86901	05/31/11 03:01	SK	TAL SEA
Total/NA	Prep	5035	RA		87530	06/08/11 17:15	TR	TAL SEA
Total/NA	Analysis	8260B	RA	1	87540	06/09/11 07:15	TR	TAL SEA
Total/NA	Prep	3550B			86922	05/31/11 08:57	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	86946	05/31/11 17:50	EK	TAL SEA
Total/NA	Prep	3550B			87101	06/02/11 11:58	KKW	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	87061	06/02/11 20:37	ES	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:34	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA
Total/NA	Analysis	7471A		1	87386	06/07/11 10:43	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 10:37	SP	TAL SEA
Total/NA	Analysis	Moisture		1	86925	05/31/11 09:01	KKW	TAL SEA

Client Sample ID: I-TP3-052411-1.5

Lab Sample ID: 580-26377-23

Date Collected: 05/24/11 12:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 19:55	MAM	TAL SEA
TCLP	Leach	1311			87180	06/03/11 12:11	RS	TAL SEA
TCLP	Prep	3010A			87248	06/06/11 10:58	PAB	TAL SEA
TCLP	Analysis	6010B		1	87315	06/06/11 16:27	SP	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:41	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA
Total/NA	Analysis	7471A		1	87386	06/07/11 10:45	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 10:43	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Client Sample ID: J-TP2-052411-0.0-0.5

Lab Sample ID: 580-26377-24

Date Collected: 05/24/11 14:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 20:14	MAM	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:47	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA
Total/NA	Analysis	7471A		1	87386	06/07/11 10:46	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 10:50	SP	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: J-TP2-052411-0.0-0.5

Lab Sample ID: 580-26377-24

Date Collected: 05/24/11 14:30

Matrix: Solid

Date Received: 05/25/11 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Client Sample ID: J-TP2-052411-2.0-2.5

Lab Sample ID: 580-26377-25

Date Collected: 05/24/11 14:35

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 23:09	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Client Sample ID: N-TP1-052411-0.0-0.5

Lab Sample ID: 580-26377-26

Date Collected: 05/24/11 15:15

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 23:29	MAM	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:53	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA
Total/NA	Analysis	7471A		1	87386	06/07/11 10:55	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 10:56	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Client Sample ID: N-TP1-052411-2.0-2.5

Lab Sample ID: 580-26377-27

Date Collected: 05/24/11 15:30

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 20:33	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Client Sample ID: I-TP3-052411-0.0-0.5

Lab Sample ID: 580-26377-28

Date Collected: 05/24/11 11:00

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87028	06/01/11 14:52	MT	TAL SEA
Total/NA	Analysis	8081A		1	87207	06/03/11 20:53	MAM	TAL SEA
Total/NA	Prep	3050B			87281	06/06/11 13:07	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87325	06/06/11 22:59	SP	TAL SEA
Total/NA	Prep	7471A			87297	06/07/11 08:30	PAB	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Client Sample ID: I-TP3-052411-0.0-0.5

Lab Sample ID: 580-26377-28

Date Collected: 05/24/11 11:00

Matrix: Solid

Date Received: 05/25/11 10:00

Percent Solids: 94.1

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared Or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	7471A		1	87386	06/07/11 10:57	FCW	TAL SEA
Total/NA	Analysis	6010B		1	87429	06/07/11 11:02	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87006	06/01/11 11:39	RS	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310



Certification Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26377-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26377-1	K-TP1-052311-0.0-0.5	Solid	05/23/11 13:50	05/25/11 10:00
580-26377-2	K-TP1-052311-2.0-2.5	Solid	05/23/11 13:55	05/25/11 10:00
580-26377-3	K-TP2-052311-1.0-1.5	Solid	05/23/11 14:40	05/25/11 10:00
580-26377-4	K-TP2-052311-3.5-4.0	Solid	05/23/11 14:45	05/25/11 10:00
580-26377-5	K-TP3-052311-0.0-0.5	Solid	05/23/11 15:30	05/25/11 10:00
580-26377-6	K-TP3-052311-2.0-2.5	Solid	05/23/11 15:35	05/25/11 10:00
580-26377-7	L-TP1-052311-0.0-0.5	Solid	05/23/11 16:14	05/25/11 10:00
580-26377-8	L-TP1-052311-3.0-3.5	Solid	05/23/11 16:20	05/25/11 10:00
580-26377-9	L-TP2-052311-0.0-0.5	Solid	05/23/11 16:50	05/25/11 10:00
580-26377-10	L-TP2.2-052311-0.0-0.5	Solid	05/23/11 16:55	05/25/11 10:00
580-26377-11	L-TP2-052311-2.0-2.5	Solid	05/23/11 17:00	05/25/11 10:00
580-26377-12	L-TP3-052411-0.0-0.5	Solid	05/24/11 07:35	05/25/11 10:00
580-26377-13	L-TP3-052411-2.0-2.5	Solid	05/24/11 07:40	05/25/11 10:00
580-26377-14	J-TP1-052411-0.0-0.5	Solid	05/24/11 08:35	05/25/11 10:00
580-26377-15	J-TP1-052411-3.0-3.5	Solid	05/24/11 08:40	05/25/11 10:00
580-26377-16	I-TP1-052411-0.0-0.5	Solid	05/24/11 09:20	05/25/11 10:00
580-26377-17	I-TP1-052411-6.0	Solid	05/24/11 09:25	05/25/11 10:00
580-26377-19	I-TP2-052411-0.0-0.5	Solid	05/24/11 10:05	05/25/11 10:00
580-26377-20	I-TP2-052411-2.0-2.5	Solid	05/24/11 10:10	05/25/11 10:00
580-26377-21	I-TP3-052411-7.5	Solid	05/24/11 11:15	05/25/11 10:00
580-26377-22	I-TP3-052411-3.0	Solid	05/24/11 11:30	05/25/11 10:00
580-26377-23	I-TP3-052411-1.5	Solid	05/24/11 12:35	05/25/11 10:00
580-26377-24	J-TP2-052411-0.0-0.5	Solid	05/24/11 14:30	05/25/11 10:00
580-26377-25	J-TP2-052411-2.0-2.5	Solid	05/24/11 14:35	05/25/11 10:00
580-26377-26	N-TP1-052411-0.0-0.5	Solid	05/24/11 15:15	05/25/11 10:00
580-26377-27	N-TP1-052411-2.0-2.5	Solid	05/24/11 15:30	05/25/11 10:00
580-26377-28	I-TP3-052411-0.0-0.5	Solid	05/24/11 11:00	05/25/11 10:00

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Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of Custody Record

26377

Client Forallon		Client Contact Brett Corp		Date 5-24-11	Chain of Custody Number 11240
Address 975 5th Ave NW		Telephone Number (Area Code)/Fax Number (425) 295-0800		Lab Number	Page 1 of 3

City Issaquah	State WA	Zip Code 98027	Sampler R. Hibbs	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) VSF - Yakima, WA			Billing Contact		

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
1 K-TP1-052311-0.0-0.5	5-23-11	1350				X	X							Duplicate (Field) #2 Cooler TB (Dig/IR cor. 1.3 unc. 0.3) Cooler Dsc by water blue @ Lab - Wet Packs Packing bubble bag w/o FedEx P.O.
2 K-TP1-052311-2.0-2.5		1355												
3 K-TP2-052311-1.0-1.5		1440												
4 K-TP2-052311-3.5-4.0		1445												
5 K-TP3-052311-0.0-0.5		1530												
6 K-TP3-052311-2.0-2.5		1535												
7 L-TP1-052311-0.0-0.5		1614												
8 L-TP1-052311-3.0-3.5		1620												
9 L-TP2-052311-0.0-0.5		1650												
10 L-TP2-052311-0.0-0.5		1655												
11 L-TP2-052311-2.0-2.5		1700												

Cooler <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Archive For _____ Months	Disposal By Lab <input type="checkbox"/> Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)
--	--	--	---

Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 16 Days <input checked="" type="checkbox"/> Other Hold	QC Requirements (Specify)
--	---------------------------

1. Relinquished By Sign/Print Ryan Hibbs	Date 5-24-11	Time 1550	1. Received By Sign/Print Cathy Gambel	Date 5/25/11	Time 10:00
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments **Hold samples until directed which samples to analyze Metals to include: Antimony, arsenic, cadmium, copper, lead, manganese, mercury, zinc**

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of Custody Record

210377

Client Forallon		Client Contact Brett Corp		Date 5-24-11	Chain of Custody Number 11248	
Address 975 5th Ave NW		Telephone Number (Area Code)/Fax Number (425) 295-0800		Lab Number	Page 2 of 3	
City Issaquah	State WA	Zip Code 98027	Sampler R. Hibbs	Lab Contact	Special Instructions/ Conditions of Receipt	
Project Name and Location (State) YSF Yakima, WA		Billing Contact	Analysis (Attach list if more space is needed)			
Contract/Purchase Order/Quote No. 765-001		Matrix	Containers & Preservatives			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	present	Other		Other	Other	
12 L-TP3-052411-0.0-0.5	5-24-11	0735				X												
13 L-TP3-052411-2.0-2.5		0740																
14 J-TP1-052411-0.0-0.5		0835																
15 J-TP1-052411-3.0-3.5		0840																
16 I-TP1-052411-0.0-0.5		0920																
17 I-TP1-052411-6.0		0925																
18 I-TP1-052411-7.0		0930																
19 I-TP2-052411-0.0-0.5		1005																
20 I-TP2-052411-2.0-2.5		1010																
21 I-TP3-052411-7.5		1115																
22 I-TP3-052411-3.0		1130																
23 I-TP3-052411-1.5		1235																

Cooler Yes No Cooler Temp: _____ Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days) 24 Hours 48 Hours 5 Days 10 Days 15 Days Other **Hold** QC Requirements (Specify)

1. Relinquished By Sign/Print Raym Hibbs	Date	Time	1. Received By Sign/Print Cathy Gamble	Date 5/25/11	Time 10:00
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments **See page 1 comments Metals includes: Antimony, Arsenic, Cadmium, Copper, Lead, Manganese, Mercury, and Zinc.**

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

26877

Client: Furallon Client Contact: Brett Corp Date: 5-24-11 Chain of Custody Number: 11241
 Address: _____ Telephone Number (Area Code)/Fax Number: (425) 295-0300 Lab Number: _____ Page 3 of 3

City: Issaquah State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact: _____ Analysis (Attach list if more space is needed): _____
 Project Name and Location (State): 765-001 Billing Contact: _____
 Contract/Purchase Order/Quote No.: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis	Special Instructions/Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	Zinc/NaOH				
<u>I-TP2-052411-0.0-0.5</u>	<u>5-24-11</u>	<u>1730</u>				X	2							X	X	TCLP Methods (see laboratory file)
<u>3-TP2-052411-2.0-2.5</u>		<u>1735</u>					2							X	X	
<u>N-TP1-052411-0.0-0.5</u>		<u>1515</u>					2							X	X	
<u>N-TP1-052411-2.0-2.5</u>		<u>1530</u>					2							X	X	
<u>I-TP3-052411-0.0-0.5</u>	<u>5-24-11</u>	<u>1100</u>												X	X	

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other Hold QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Sign/Print: _____ Date: <u>5-24-11</u> Time: _____	1. Received By: <u>Cathy Cramble</u> Sign/Print: _____ Date: <u>5/25/11</u> Time: <u>10:00</u>
2. Relinquished By: _____ Sign/Print: _____ Date: _____ Time: _____	2. Received By: _____ Sign/Print: _____ Date: _____ Time: _____
3. Relinquished By: _____ Sign/Print: _____ Date: _____ Time: _____	3. Received By: _____ Sign/Print: _____ Date: _____ Time: _____

Comments: See page 1 Methods to include: Antimony, arsenic, cadmium, copper, lead, manganese, mercury, nickel, zinc

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26377-1

Login Number: 26377

List Source: TestAmerica Seattle

List Number: 1

Creator: Gamble, Cathy

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Not needed.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	No VOA rec'd.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26451-1
Client Project/Site: Yakima Steel
Revision: 1

For:
Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:25:54 PM
Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com
Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Job ID: 580-26451-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-26451-1

Comments

No additional comments.

Receipt

COC not with samples. Received via email next day.

Some samples leaking because they were submerged in water. One soil jar for sample "E-WETSOIL.2-052611-1.0-2.0" was broken upon receipt. Some of sample volume was salvaged and placed in a 4oz. jar. One stir bar for sample "B-TP3-052611-5.5" was broken and could not be salvaged.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): . One MeOH preserved and one DI water & stir bar vial were received as trip blanks, but no listed on the COC. These two vials were added to the COC and logged-in.

Also, sample "H-TP2-052611-1.0-1.5" as listed on the COC is listed as "H-TP2-052611-0.0-0.5" on the 4oz. soil jar label. Collection date and time were matched to find the correct sample set.

Sample "D-TP3.2-052611-4.5" as listed on the COC lists "D-TP3-052611-4.5" on its soil jar label. Collection date and time were matched to find the correct sample set.

Sample "G-WETSOIL-052611-0.0-0.5" as listed on the COC lists "G-WETSOIL-052611-0.5-1.0" on both soil jar labels. Collection date and time were matched to find the correct sample set.

All ID discrepancies were labeled according to the COC.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 5035:

The following samples were prepared outside of preparation holding time due to the sample being received after the 48 hour preservation window for method 5035: B-TP1-052611-6.0 (580-26451-39), E-WETSOIL-052611-0.5-1.0 (580-26451-47), E-WETSOIL-2-052611-1.0-2.0 (580-26451-49), G-WETSOIL-052611-0.0-0.5 (580-26451-44), H-TP2-052611-2.0-2.5 (580-26451-24), H-TP3-052611-0.0-0.5 (580-26451-26). Samples were received in bulk soil jars all sample containers contained head space. Sample qualified "H".

Method(s) 8260B:

Surrogate recovery for the following sample(s) was outside the upper control limit: E-WETSOIL-052611-0.0-0.5 (580-26451-46), H-TP2-052611-1.0-1.5 (580-26451-23), H-TP3-052611-0.0-0.5 (580-26451-26). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Internal standard response for the following sample exceeded the lower control limit: E-WETSOIL-052611-0.0-0.5 (580-26451-46). As such, the sample results may be biased high. As the sample did not contain any target compounds above the reporting limit, the data have been qualified as appropriate and reported.

The Trifluorotoluene (TFT) surrogate recovery for the blank associated with batch 580-87535 was outside recovery limits. As the deficient recovery indicated a potential high bias, no target compounds were detected in the method blank above the reporting limit, and all associated sample TFT surrogate recoveries fell within acceptance criteria, the data have been reported.

The following sample(s) was analyzed outside of the 14 day analytical holding time due to system recalibration required following a heavily contaminated sample B-TP1-052611-6.0 (580-26451-39), E-WETSOIL-052611-0.5-1.0 (580-26451-47), E-WETSOIL-2-052611-0.5-1.0 (580-26451-48), E-WETSOIL-2-052611-1.0-2.0 (580-26451-49), G-WETSOIL-052611-0.0-0.5 (580-26451-44), H-TP2-052611-2.0-2.5 (580-26451-24), H-TP3-052611-0.0-0.5 (580-26451-26).

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Job ID: 580-26451-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A:

Samples 580-26451-1, 580-26451-2, 580-26451-3, 580-26451-4 and 580-26451-5 required re-extraction due to an laboratory error with the initial extraction. Samples are qualified "H".

Surrogate recovery for the following sample(s) was outside control limits: 580-26451-28, 580-26451-29, 580-26451-30, 580-26451-32, 580-26451-33, 580-26451-34, 580-26451-35, 580-26451-45 and 580-26451-46. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following sample(s) was outside control limits: 580-26451-11, 580-26451-15, 580-26451-16, 580-26451-17, 580-26451-20, 580-26451-22 and 580-26451-24. Evidence of matrix interference is present indicated by high percent moisture; therefore, re-extraction and/or re-analysis was not performed.

The capping continuing calibration verification (CCV) analyzed on instrument TAC035, analytical batch 88098, did not meet criteria on both columns for the following analytes: CCV/24 - Recovering below lower control limits for 4,4-DDT. CCV/37 - Recovering below lower control limits for 4,4-DDT, DCB, Endosulfan II, Endosulfan sulfate, Endrin aldehyde and Methoxychlor. CCV/41 - Recovering below lower control limits for 4,4-DDT and DCB. CCV/38 - Recovering below lower control limits for Toxaphene. The associated samples were analyzed twice with similar results. Data has been qualified "^" and reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The absolute value for some elements was above the RL value. The ICB, MB and CCB's were all within limits. Sample qualified "L". No bias is indicated.

No other analytical or quality issues were noted.



Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
*	ISTD response or retention time outside acceptable limits

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F	MS or MSD exceeds the control limits
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F	RPD of the MS and MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
L	A negative instrument reading had an absolute value greater than the reporting limit
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP1-052511-0.0-0.5

Lab Sample ID: 580-26451-1

Date Collected: 05/25/11 07:40

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 86.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
alpha-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
beta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
delta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
gamma-BHC (Lindane)	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
4,4'-DDD	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
4,4'-DDE	7.3	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
4,4'-DDT	6.2	H ^	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Dieldrin	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endosulfan I	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endosulfan II	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endosulfan sulfate	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endrin	6.6	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endrin aldehyde	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Heptachlor	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Heptachlor epoxide	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Methoxychlor	ND	H	11		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Endrin ketone	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Toxaphene	ND	H	110		ug/Kg	☼	06/20/11 09:58	06/22/11 13:25	1
alpha-Chlordane	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
gamma-Chlordane	1.8	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 18:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		49 - 123				06/20/11 09:58	06/21/11 18:31	1
DCB Decachlorobiphenyl	66		40 - 158				06/20/11 09:58	06/21/11 18:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.6		2.8		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Lead	27		1.4		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Antimony	ND	L	2.8		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Cadmium	1.3		0.46		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Copper	19		0.93		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Manganese	540		0.93		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1
Zinc	61		1.9		mg/Kg	☼	06/13/11 11:07	06/13/11 19:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.018		mg/Kg	☼	06/13/11 09:30	06/13/11 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/03/11 10:22	1
Percent Moisture	13		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP1-052511-2.0-2.5

Lab Sample ID: 580-26451-2

Date Collected: 05/25/11 07:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
alpha-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
beta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
delta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
gamma-BHC (Lindane)	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
4,4'-DDD	10	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
4,4'-DDE	61	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
4,4'-DDT	3.6	H ^	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Dieldrin	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endosulfan I	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endosulfan II	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endosulfan sulfate	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endrin	4.4	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endrin aldehyde	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Heptachlor	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Heptachlor epoxide	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Methoxychlor	ND	H	11		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Endrin ketone	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Toxaphene	ND	H	110		ug/Kg	☼	06/20/11 09:58	06/22/11 14:24	1
alpha-Chlordane	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
gamma-Chlordane	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 19:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	86		49 - 123				06/20/11 09:58	06/21/11 19:29	1
<i>DCB Decachlorobiphenyl</i>	78		40 - 158				06/20/11 09:58	06/21/11 19:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		3.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Lead	44		1.7		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Antimony	ND	L	3.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Cadmium	1.6		0.55		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Copper	25		1.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Manganese	550		1.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1
Zinc	150		2.2		mg/Kg	☼	06/13/11 11:07	06/13/11 19:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.4		0.31		mg/Kg	☼	06/13/11 09:30	06/13/11 13:54	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/03/11 10:22	1
Percent Moisture	13		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP2-052511-0.0-0.5

Lab Sample ID: 580-26451-3

Date Collected: 05/25/11 08:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
alpha-BHC	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
beta-BHC	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
delta-BHC	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
gamma-BHC (Lindane)	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
4,4'-DDD	3.5	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
4,4'-DDE	59	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
4,4'-DDT	8.2	H ^	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Dieldrin	39	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endosulfan I	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endosulfan II	ND	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endosulfan sulfate	ND	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endrin	ND	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endrin aldehyde	ND	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Heptachlor	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Heptachlor epoxide	ND	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Methoxychlor	ND	H	12		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Endrin ketone	ND	H	2.4		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Toxaphene	ND	H	120		ug/Kg	☼	06/20/11 09:58	06/22/11 14:43	1
alpha-Chlordane	5.0	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
gamma-Chlordane	2.9	H	1.2		ug/Kg	☼	06/20/11 09:58	06/21/11 19:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		49 - 123				06/20/11 09:58	06/21/11 19:49	1
DCB Decachlorobiphenyl	70		40 - 158				06/20/11 09:58	06/21/11 19:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.2		3.7		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Lead	31		1.9		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Antimony	ND		3.7		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Cadmium	1.3		0.62		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Copper	25		1.2		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Manganese	510		1.2		mg/Kg	☼	06/13/11 11:07	06/13/11 19:22	1
Zinc	80		2.5		mg/Kg	☼	06/13/11 11:07	06/14/11 16:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.019		mg/Kg	☼	06/13/11 09:30	06/13/11 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%			06/03/11 09:31	1
Percent Moisture	19		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP2-052511-2.0-2.5

Lab Sample ID: 580-26451-4

Date Collected: 05/25/11 08:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.0

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
alpha-BHC	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
beta-BHC	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
delta-BHC	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
gamma-BHC (Lindane)	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
4,4'-DDD	6.5	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
4,4'-DDE	32	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
4,4'-DDT	ND	H ^	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Dieldrin	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endosulfan I	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endosulfan II	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endosulfan sulfate	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endrin	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endrin aldehyde	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Heptachlor	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Heptachlor epoxide	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Methoxychlor	ND	H	11		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Endrin ketone	ND	H	2.2		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Toxaphene	ND	H	110		ug/Kg	*	06/20/11 09:58	06/22/11 15:02	1
alpha-Chlordane	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
gamma-Chlordane	ND	H	1.1		ug/Kg	*	06/20/11 09:58	06/21/11 20:08	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		49 - 123				06/20/11 09:58	06/21/11 20:08	1
DCB Decachlorobiphenyl	79		40 - 158				06/20/11 09:58	06/21/11 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/03/11 09:31	1
Percent Moisture	12		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP3-052511-0.0-0.5

Lab Sample ID: 580-26451-5

Date Collected: 05/25/11 08:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 89.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
alpha-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
beta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
delta-BHC	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
gamma-BHC (Lindane)	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
4,4'-DDD	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
4,4'-DDE	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
4,4'-DDT	ND	H ^	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Dieldrin	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endosulfan I	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endosulfan II	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endosulfan sulfate	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endrin	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endrin aldehyde	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Heptachlor	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Heptachlor epoxide	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Methoxychlor	ND	H	11		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Endrin ketone	ND	H	2.2		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Toxaphene	ND	H	110		ug/Kg	☼	06/20/11 09:58	06/22/11 15:22	1
alpha-Chlordane	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
gamma-Chlordane	ND	H	1.1		ug/Kg	☼	06/20/11 09:58	06/21/11 20:28	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		49 - 123				06/20/11 09:58	06/21/11 20:28	1
DCB Decachlorobiphenyl	69		40 - 158				06/20/11 09:58	06/21/11 20:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		3.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Lead	30		1.6		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Antimony	ND	L	3.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Cadmium	1.7		0.54		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Copper	28		1.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Manganese	530		1.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:26	1
Zinc	100		22		mg/Kg	☼	06/13/11 11:07	06/14/11 16:09	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.016		mg/Kg	☼	06/13/11 09:30	06/13/11 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%			06/03/11 09:31	1
Percent Moisture	11		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP3-052511-2.0-2.5

Lab Sample ID: 580-26451-6

Date Collected: 05/25/11 08:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		3.3		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Lead	150		1.6		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Antimony	ND		3.3		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Cadmium	1.2		0.54		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Copper	23		1.1		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Manganese	240		1.1		mg/Kg	*	06/13/11 11:07	06/13/11 19:31	1
Zinc	450		22		mg/Kg	*	06/13/11 11:07	06/14/11 16:13	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.48		0.020		mg/Kg	*	06/13/11 09:30	06/13/11 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10		%			06/03/11 10:22	1
Percent Moisture	20		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP3-052511-3.5-4.0

Lab Sample ID: 580-26451-7

Date Collected: 05/25/11 09:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 85.6

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
alpha-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
beta-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
delta-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
4,4'-DDD	3.8		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
4,4'-DDE	8.7		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
4,4'-DDT	7.5	^	2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Dieldrin	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endosulfan I	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endosulfan II	31		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endrin	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endrin aldehyde	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Heptachlor	ND	^	1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Methoxychlor	ND		11		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Endrin ketone	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Toxaphene	ND		110		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 17:11	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	79		49 - 123				06/03/11 09:27	06/16/11 17:11	1
<i>DCB Decachlorobiphenyl</i>	47	^	40 - 158				06/03/11 09:27	06/16/11 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/03/11 09:31	1
Percent Moisture	14		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-TP1-052511-4.5

Lab Sample ID: 580-26451-8

Date Collected: 05/25/11 10:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 90.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.5		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Lead	27		1.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Antimony	ND	L	2.5		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Cadmium	8.8		0.42		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Copper	19		0.85		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Manganese	570		0.85		mg/Kg	☼	06/13/11 11:07	06/13/11 19:36	1
Zinc	2200		34		mg/Kg	☼	06/13/11 11:07	06/14/11 16:17	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.016		mg/Kg	☼	06/13/11 09:30	06/13/11 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			06/03/11 10:22	1
Percent Moisture	9.5		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-TP2-052511-3.0

Lab Sample ID: 580-26451-9

Date Collected: 05/25/11 10:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.7		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Lead	100		1.3		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Antimony	ND	L	2.7		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Cadmium	6.2		0.45		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Copper	28		0.89		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Manganese	480		0.89		mg/Kg	☼	06/13/11 11:07	06/13/11 19:41	1
Zinc	2400		36		mg/Kg	☼	06/13/11 11:07	06/14/11 16:21	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087		0.017		mg/Kg	☼	06/13/11 09:30	06/13/11 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/03/11 10:22	1
Percent Moisture	12		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP1-052511-0.0-0.5

Lab Sample ID: 580-26451-10

Date Collected: 05/25/11 12:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.6

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
beta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
delta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
4,4'-DDD	2.9		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
4,4'-DDE	25		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
4,4'-DDT	14	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Dieldrin	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endosulfan II	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endosulfan sulfate	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endrin	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endrin aldehyde	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Heptachlor	ND	^	1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Methoxychlor	ND		11		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Endrin ketone	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Toxaphene	ND		110		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 17:30	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	73		49 - 123				06/03/11 09:27	06/16/11 17:30	1
<i>DCB Decachlorobiphenyl</i>	44	^	40 - 158				06/03/11 09:27	06/16/11 17:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.2		3.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Lead	130		1.5		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Antimony	ND		3.1		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Cadmium	2.8		0.51		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Copper	1300		1.0		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Manganese	550		1.0		mg/Kg	☼	06/13/11 11:07	06/13/11 19:45	1
Zinc	120		10		mg/Kg	☼	06/13/11 11:07	06/14/11 16:25	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.017		mg/Kg	☼	06/13/11 09:30	06/13/11 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/03/11 09:31	1
Percent Moisture	12		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP1-052511-3.0-3.5

Lab Sample ID: 580-26451-11

Date Collected: 05/25/11 12:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.4

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
beta-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
delta-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
4,4'-DDD	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
4,4'-DDE	3.4		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
4,4'-DDT	ND	^	2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Dieldrin	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endosulfan II	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endosulfan sulfate	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endrin	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endrin aldehyde	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Heptachlor	ND	^	1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Methoxychlor	ND		12		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Endrin ketone	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Toxaphene	ND		120		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 17:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		49 - 123				06/03/11 09:27	06/16/11 17:49	1
DCB Decachlorobiphenyl	37	X ^ I	40 - 158				06/03/11 09:27	06/16/11 17:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		3.7		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1
Lead	13		1.9		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1
Antimony	ND		3.7		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1
Cadmium	ND	L	0.62		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1
Copper	23		1.2		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1
Manganese	430		12		mg/Kg	☼	06/14/11 10:32	06/14/11 19:29	10
Zinc	37		2.5		mg/Kg	☼	06/14/11 10:32	06/14/11 19:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.095		0.020		mg/Kg	☼	06/13/11 09:30	06/13/11 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%			06/03/11 09:31	1
Percent Moisture	21		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP1.2-052511-0.0-0.5

Lab Sample ID: 580-26451-12

Date Collected: 05/25/11 13:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
beta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
delta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
4,4'-DDD	2.9		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
4,4'-DDE	22		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
4,4'-DDT	13	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Dieldrin	ND	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endosulfan II	ND	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endosulfan sulfate	ND	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endrin	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endrin aldehyde	ND	^	2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Heptachlor	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Methoxychlor	ND	^	11		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Endrin ketone	ND		2.2		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Toxaphene	ND	^	110		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 19:07	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		49 - 123				06/03/11 09:27	06/16/11 19:07	1
DCB Decachlorobiphenyl	54	^	40 - 158				06/03/11 09:27	06/16/11 19:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		2.9		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Lead	130		1.4		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Antimony	3.7		2.9		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Cadmium	ND	L	0.48		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Copper	910		0.96		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Manganese	560		0.96		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1
Zinc	220		1.9		mg/Kg	☼	06/14/11 10:32	06/14/11 19:35	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.017		mg/Kg	☼	06/13/11 09:30	06/13/11 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/03/11 09:31	1
Percent Moisture	12		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP2-052511-0.0-0.5

Lab Sample ID: 580-26451-14

Date Collected: 05/25/11 14:15

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 93.8

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
alpha-BHC	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
beta-BHC	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
delta-BHC	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
4,4'-DDD	ND		2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
4,4'-DDE	3.5		2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
4,4'-DDT	19	^	2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Dieldrin	ND		2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endosulfan I	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endosulfan II	ND	^	2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endosulfan sulfate	ND	^	2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endrin	ND		2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endrin aldehyde	ND	^	2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Heptachlor	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Heptachlor epoxide	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Methoxychlor	ND	^	10		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Endrin ketone	ND		2.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Toxaphene	ND	^	100		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
alpha-Chlordane	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
gamma-Chlordane	ND		1.0		ug/Kg	☼	06/03/11 09:27	06/16/11 19:27	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	87		49 - 123				06/03/11 09:27	06/16/11 19:27	1
<i>DCB Decachlorobiphenyl</i>	56	^	40 - 158				06/03/11 09:27	06/16/11 19:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3		3.0		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1
Lead	160		1.5		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1
Antimony	ND		3.0		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1
Cadmium	1.4		0.51		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1
Copper	67		1.0		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1
Manganese	420		10		mg/Kg	☼	06/14/11 10:32	06/14/11 19:54	10
Zinc	490		2.0		mg/Kg	☼	06/14/11 10:32	06/14/11 19:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.018		mg/Kg	☼	06/13/11 09:00	06/13/11 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%			06/03/11 09:31	1
Percent Moisture	6.2		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP2-052511-3.5-4.0

Lab Sample ID: 580-26451-15

Date Collected: 05/25/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.0

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	5.4		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
alpha-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
beta-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
delta-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
gamma-BHC (Lindane)	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
4,4'-DDD	4.9		2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
4,4'-DDE	8.9		2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
4,4'-DDT	3.8	^	2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Dieldrin	14		2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endosulfan I	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endosulfan II	ND	^	2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endosulfan sulfate	ND	^	2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endrin	ND		2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endrin aldehyde	ND	^	2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Heptachlor	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Heptachlor epoxide	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Methoxychlor	ND	^	13		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Endrin ketone	ND		2.6		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Toxaphene	ND	^	130		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
alpha-Chlordane	1.8	p	1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
gamma-Chlordane	2.2		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 19:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	39	X I	49 - 123				06/03/11 09:27	06/16/11 19:46	1
DCB Decachlorobiphenyl	17	X ^ I	40 - 158				06/03/11 09:27	06/16/11 19:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%			06/03/11 09:31	1
Percent Moisture	23		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: D-TP1-052511-4.5

Lab Sample ID: 580-26451-16

Date Collected: 05/25/11 15:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 76.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
alpha-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
beta-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
delta-BHC	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
gamma-BHC (Lindane)	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
4,4'-DDD	ND		2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
4,4'-DDE	ND		2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
4,4'-DDT	ND	^	2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Dieldrin	ND		2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endosulfan I	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endosulfan II	ND	^	2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endosulfan sulfate	ND	^	2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endrin	ND		2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endrin aldehyde	ND	^	2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Heptachlor	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Heptachlor epoxide	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Methoxychlor	ND	^	13		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Endrin ketone	ND		2.5		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Toxaphene	ND	^	130		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
alpha-Chlordane	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
gamma-Chlordane	ND		1.3		ug/Kg	☼	06/03/11 09:27	06/16/11 20:06	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 123				06/03/11 09:27	06/16/11 20:06	1
DCB Decachlorobiphenyl	25	X ^ I	40 - 158				06/03/11 09:27	06/16/11 20:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.5		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Lead	20		1.8		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Antimony	ND		3.5		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Cadmium	ND	L	0.59		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Copper	27		1.2		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Manganese	370		1.2		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1
Zinc	340		2.4		mg/Kg	☼	06/14/11 10:32	06/14/11 20:21	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.021		mg/Kg	☼	06/13/11 09:00	06/13/11 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10		%			06/03/11 09:31	1
Percent Moisture	24		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: D-TP1-052511-5.5

Lab Sample ID: 580-26451-17

Date Collected: 05/25/11 15:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 55.5

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
alpha-BHC	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
beta-BHC	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
delta-BHC	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
gamma-BHC (Lindane)	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
4,4'-DDD	ND		3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
4,4'-DDE	ND		3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
4,4'-DDT	ND	^	3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Dieldrin	ND		3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endosulfan I	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endosulfan II	ND	^	3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endosulfan sulfate	ND	^	3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endrin	ND		3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endrin aldehyde	ND	^	3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Heptachlor	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Heptachlor epoxide	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Methoxychlor	ND	^	18		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Endrin ketone	ND		3.6		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Toxaphene	ND	^	180		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
alpha-Chlordane	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
gamma-Chlordane	ND		1.8		ug/Kg	☼	06/03/11 09:27	06/16/11 20:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	20	X	49 - 123				06/03/11 09:27	06/16/11 20:25	1
DCB Decachlorobiphenyl	7	X ^ I	40 - 158				06/03/11 09:27	06/16/11 20:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.3		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Lead	1000		2.7		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Antimony	ND		5.3		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Cadmium	88		0.89		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Copper	74		1.8		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Manganese	410		1.8		mg/Kg	☼	06/14/11 10:32	06/14/11 20:34	1
Zinc	7000		36		mg/Kg	☼	06/14/11 10:32	06/14/11 20:40	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43		0.024		mg/Kg	☼	06/13/11 09:00	06/13/11 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	56		0.10		%			06/03/11 09:31	1
Percent Moisture	44		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: J-TP3-052511-0.5-1.0

Lab Sample ID: 580-26451-18

Date Collected: 05/25/11 16:40

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 94.7

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
alpha-BHC	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
beta-BHC	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
delta-BHC	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
4,4'-DDD	ND		2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
4,4'-DDE	ND		2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
4,4'-DDT	ND	^	2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Dieldrin	ND		2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endosulfan I	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endosulfan II	ND	^	2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endosulfan sulfate	ND	^	2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endrin	ND		2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endrin aldehyde	ND	^	2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Heptachlor	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Heptachlor epoxide	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Methoxychlor	ND	^	10		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Endrin ketone	ND		2.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Toxaphene	ND	^	100		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
alpha-Chlordane	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
gamma-Chlordane	ND		1.0		ug/Kg	*	06/03/11 09:27	06/16/11 20:44	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		49 - 123				06/03/11 09:27	06/16/11 20:44	1
DCB Decachlorobiphenyl	72	^	40 - 158				06/03/11 09:27	06/16/11 20:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%			06/03/11 09:31	1
Percent Moisture	5.3		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: J-TP3-052511-1.5-2.0

Lab Sample ID: 580-26451-19

Date Collected: 05/25/11 16:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.5		2.8		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Lead	600		1.4		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Antimony	ND		2.8		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Cadmium	0.48		0.47		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Copper	29		0.93		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Manganese	300		0.93		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1
Zinc	480		1.9		mg/Kg	*	06/14/11 10:32	06/14/11 20:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.016		mg/Kg	*	06/13/11 09:00	06/13/11 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%			06/03/11 10:22	1
Percent Moisture	11		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: J-TP3-052511-3.5-4.0

Lab Sample ID: 580-26451-20

Date Collected: 05/25/11 16:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 61.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
alpha-BHC	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
beta-BHC	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
delta-BHC	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
gamma-BHC (Lindane)	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
4,4'-DDD	ND		3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
4,4'-DDE	ND		3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
4,4'-DDT	ND	^	3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Dieldrin	ND		3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endosulfan I	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endosulfan II	ND	^	3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endosulfan sulfate	ND	^	3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endrin	ND		3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endrin aldehyde	ND	^	3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Heptachlor	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Heptachlor epoxide	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Methoxychlor	ND	^	16		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Endrin ketone	ND		3.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Toxaphene	ND	^	160		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
alpha-Chlordane	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
gamma-Chlordane	ND		1.6		ug/Kg	*	06/03/11 09:27	06/16/11 21:04	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	49		49 - 123				06/03/11 09:27	06/16/11 21:04	1
DCB Decachlorobiphenyl	21	X ^ I	40 - 158				06/03/11 09:27	06/16/11 21:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	61		0.10		%			06/03/11 09:31	1
Percent Moisture	39		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-0.0-0.5

Lab Sample ID: 580-26451-21

Date Collected: 05/26/11 07:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chloromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Vinyl chloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Bromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Trichlorofluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1-Dichloroethene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Methylene Chloride	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
trans-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
2,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
cis-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chloroform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1,1-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Carbon tetrachloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Benzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Trichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Dibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Dichlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
cis-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Toluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
trans-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1,2-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Tetrachloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,3-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chlorodibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Ethylene Dibromide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Chlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Ethylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1,1,2-Tetrachloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
o-Xylene	2.1		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Styrene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Bromoform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Isopropylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Bromobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
N-Propylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2,3-Trichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
tert-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
sec-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,3-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-0.0-0.5

Lab Sample ID: 580-26451-21

Date Collected: 05/26/11 07:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,4-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
n-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Hexachlorobutadiene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Naphthalene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Methyl tert-butyl ether	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Carbon disulfide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Acetone	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
4-Methyl-2-pentanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
2-Butanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:24	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	103		80 - 120				06/09/11 09:59	06/09/11 21:24	1
Toluene-d8 (Surr)	97		80 - 120				06/09/11 09:59	06/09/11 21:24	1
Ethylbenzene-d10	116		70 - 120				06/09/11 09:59	06/09/11 21:24	1
4-Bromofluorobenzene (Surr)	106		70 - 120				06/09/11 09:59	06/09/11 21:24	1
Trifluorotoluene (Surr)	98		65 - 140				06/09/11 09:59	06/09/11 21:24	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
alpha-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
beta-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
delta-BHC	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
4,4'-DDD	ND		2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
4,4'-DDE	7.5		2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
4,4'-DDT	12	^	2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Dieldrin	ND	^	2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endosulfan I	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endosulfan II	ND	^	2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endrin	ND		2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endrin aldehyde	ND	^	2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Heptachlor	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Methoxychlor	ND	^	11		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Endrin ketone	ND		2.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Toxaphene	ND	^	110		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/03/11 09:27	06/16/11 21:23	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		49 - 123				06/03/11 09:27	06/16/11 21:23	1
DCB Decachlorobiphenyl	59	^	40 - 158				06/03/11 09:27	06/16/11 21:23	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-0.0-0.5

Lab Sample ID: 580-26451-21

Date Collected: 05/26/11 07:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.7		mg/Kg	☼	06/10/11 13:06	06/10/11 17:14	1
Lead	72		1.3		mg/Kg	☼	06/10/11 13:06	06/10/11 17:14	1
Antimony	3.3		2.7		mg/Kg	☼	06/10/11 13:06	06/10/11 17:14	1
Cadmium	1.0		0.45		mg/Kg	☼	06/10/11 13:06	06/10/11 17:14	1
Copper	360		8.9		mg/Kg	☼	06/10/11 13:06	06/13/11 20:22	10
Manganese	440		0.89		mg/Kg	☼	06/10/11 13:06	06/10/11 17:14	1
Zinc	270		18		mg/Kg	☼	06/10/11 13:06	06/13/11 20:22	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.017		mg/Kg	☼	06/13/11 09:00	06/13/11 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			06/03/11 09:31	1
Percent Moisture	8.0		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-3.5-4.0

Lab Sample ID: 580-26451-22

Date Collected: 05/26/11 07:10

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chloromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Vinyl chloride	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Bromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Trichlorofluoromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1-Dichloroethene	ND		5.3		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Methylene Chloride	ND		16		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1-Dichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
2,2-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chlorobromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chloroform	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Carbon tetrachloride	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Benzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2-Dichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Trichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Dibromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Dichlorobromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Toluene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Tetrachloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,3-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chlorodibromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Ethylene Dibromide	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Chlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Ethylbenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
m-Xylene & p-Xylene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
o-Xylene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Styrene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Bromoform	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Isopropylbenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Bromobenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
N-Propylbenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
2-Chlorotoluene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,3,5-Trimethylbenzene	ND		5.3		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
4-Chlorotoluene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
tert-Butylbenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
sec-Butylbenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-3.5-4.0

Lab Sample ID: 580-26451-22

Date Collected: 05/26/11 07:10

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
n-Butylbenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2-Dibromo-3-Chloropropane	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Hexachlorobutadiene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Naphthalene	ND		5.3		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Methyl tert-butyl ether	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Carbon disulfide	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Acetone	ND		16		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
4-Methyl-2-pentanone	ND		5.3		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
2-Butanone	ND		5.3		ug/Kg	*	06/09/11 09:59	06/09/11 21:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	102		80 - 120				06/09/11 09:59	06/09/11 21:49	1
Toluene-d8 (Surr)	96		80 - 120				06/09/11 09:59	06/09/11 21:49	1
Ethylbenzene-d10	117		70 - 120				06/09/11 09:59	06/09/11 21:49	1
4-Bromofluorobenzene (Surr)	103		70 - 120				06/09/11 09:59	06/09/11 21:49	1
Trifluorotoluene (Surr)	94		65 - 140				06/09/11 09:59	06/09/11 21:49	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
alpha-BHC	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
beta-BHC	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
delta-BHC	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
4,4'-DDD	6.4		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
4,4'-DDE	22		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
4,4'-DDT	5.5	^	2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Dieldrin	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endosulfan I	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endosulfan II	ND	^	2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endosulfan sulfate	ND	^	2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endrin	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endrin aldehyde	ND	^	2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Heptachlor	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Heptachlor epoxide	ND		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Methoxychlor	ND	^	12		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Endrin ketone	ND		2.3		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Toxaphene	ND	^	120		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
alpha-Chlordane	1.7		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
gamma-Chlordane	1.9		1.2		ug/Kg	*	06/03/11 09:27	06/16/11 21:43	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		49 - 123				06/03/11 09:27	06/16/11 21:43	1
DCB Decachlorobiphenyl	36	X ^ I	40 - 158				06/03/11 09:27	06/16/11 21:43	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP1-052611-3.5-4.0

Lab Sample ID: 580-26451-22

Date Collected: 05/26/11 07:10

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		2.8		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Lead	36		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Antimony	ND		2.8		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Cadmium	ND		0.46		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Copper	23		0.92		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Manganese	420		0.92		mg/Kg	☼	06/10/11 13:06	06/10/11 17:41	1
Zinc	82		9.2		mg/Kg	☼	06/10/11 13:06	06/13/11 20:44	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.086		0.018		mg/Kg	☼	06/13/11 09:00	06/13/11 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10		%			06/03/11 09:31	1
Percent Moisture	20		0.10		%			06/03/11 09:31	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-1.0-1.5

Lab Sample ID: 580-26451-23

Date Collected: 05/26/11 08:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chloromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Vinyl chloride	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Bromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Trichlorofluoromethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1-Dichloroethene	ND		5.5		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Methylene Chloride	ND		16		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1-Dichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
2,2-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chlorobromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chloroform	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Carbon tetrachloride	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Benzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,2-Dichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Trichloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,2-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Dibromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Dichlorobromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Toluene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Tetrachloroethene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,3-Dichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chlorodibromomethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Ethylene Dibromide	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Chlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Ethylbenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,1,2,2-Tetrachloroethane	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
m-Xylene & p-Xylene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
o-Xylene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Styrene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Bromoform	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Isopropylbenzene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
Bromobenzene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
N-Propylbenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
2-Chlorotoluene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,3,5-Trimethylbenzene	ND		5.5		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
4-Chlorotoluene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
tert-Butylbenzene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,2,4-Trimethylbenzene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
sec-Butylbenzene	ND		2.2		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg	*	06/09/11 09:59	06/09/11 22:13	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-1.0-1.5

Lab Sample ID: 580-26451-23

Date Collected: 05/26/11 08:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.2		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
n-Butylbenzene	ND		2.2		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
1,2-Dibromo-3-Chloropropane	ND		2.2		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
1,2,4-Trichlorobenzene	ND		2.2		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
1,2,3-Trichlorobenzene	ND		2.2		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Hexachlorobutadiene	ND		1.1		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Naphthalene	ND		5.5		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Methyl tert-butyl ether	ND		1.1		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Carbon disulfide	ND		1.1		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Acetone	ND		16		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
4-Methyl-2-pentanone	ND		5.5		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
2-Butanone	ND		5.5		ug/Kg	☼	06/09/11 09:59	06/09/11 22:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	101		80 - 120				06/09/11 09:59	06/09/11 22:13	1
Toluene-d8 (Surr)	98		80 - 120				06/09/11 09:59	06/09/11 22:13	1
Ethylbenzene-d10	125	X	70 - 120				06/09/11 09:59	06/09/11 22:13	1
4-Bromofluorobenzene (Surr)	107		70 - 120				06/09/11 09:59	06/09/11 22:13	1
Trifluorotoluene (Surr)	86		65 - 140				06/09/11 09:59	06/09/11 22:13	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
beta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
delta-BHC	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
4,4'-DDD	ND		2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
4,4'-DDE	13		2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
4,4'-DDT	26	^	2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Dieldrin	4.0		2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endosulfan II	ND	^	2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endosulfan sulfate	ND	^	2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endrin	ND		2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endrin aldehyde	ND	^	2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Heptachlor	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Methoxychlor	ND	^	11		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Endrin ketone	ND		2.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Toxaphene	ND	^	110		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
alpha-Chlordane	2.8		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
gamma-Chlordane	1.9		1.1		ug/Kg	☼	06/03/11 09:27	06/16/11 22:02	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		49 - 123				06/03/11 09:27	06/16/11 22:02	1
DCB Decachlorobiphenyl	48	^	40 - 158				06/03/11 09:27	06/16/11 22:02	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-1.0-1.5

Lab Sample ID: 580-26451-23

Date Collected: 05/26/11 08:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		2.7		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Lead	110		1.3		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Antimony	ND		2.7		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Cadmium	1.1		0.45		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Copper	39		0.90		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Manganese	460		0.90		mg/Kg	*	06/10/11 13:06	06/10/11 17:45	1
Zinc	350		9.0		mg/Kg	*	06/10/11 13:06	06/13/11 20:47	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.015		mg/Kg	*	06/13/11 09:00	06/13/11 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			06/03/11 09:31	1
Percent Moisture	7.9		0.10		%			06/03/11 09:31	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-2.0-2.5

Lab Sample ID: 580-26451-24

Date Collected: 05/26/11 08:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chloromethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Vinyl chloride	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Bromomethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Trichlorofluoromethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1-Dichloroethene	ND	H	5.7		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Methylene Chloride	ND	H	17		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
trans-1,2-Dichloroethene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1-Dichloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
2,2-Dichloropropane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
cis-1,2-Dichloroethene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chlorobromomethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chloroform	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1,1-Trichloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Carbon tetrachloride	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1-Dichloropropene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Benzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2-Dichloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Trichloroethene	2.0	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2-Dichloropropane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Dibromomethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Dichlorobromomethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
cis-1,3-Dichloropropene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Toluene	4.2	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
trans-1,3-Dichloropropene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1,2-Trichloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Tetrachloroethene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,3-Dichloropropane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chlorodibromomethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Ethylene Dibromide	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Chlorobenzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Ethylbenzene	2.4	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1,1,2-Tetrachloroethane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,1,2,2-Tetrachloroethane	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
m-Xylene & p-Xylene	11	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
o-Xylene	4.0	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Styrene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Bromoform	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Isopropylbenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Bromobenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
N-Propylbenzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2,3-Trichloropropane	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
2-Chlorotoluene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,3,5-Trimethylbenzene	ND	H	5.7		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
4-Chlorotoluene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
tert-Butylbenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2,4-Trimethylbenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
sec-Butylbenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,3-Dichlorobenzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-2.0-2.5

Lab Sample ID: 580-26451-24

Date Collected: 05/26/11 08:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,4-Dichlorobenzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
n-Butylbenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2-Dichlorobenzene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2-Dibromo-3-Chloropropane	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2,4-Trichlorobenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
1,2,3-Trichlorobenzene	ND	H	2.3		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Hexachlorobutadiene	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Naphthalene	ND	H	5.7		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Methyl tert-butyl ether	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Carbon disulfide	ND	H	1.1		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Acetone	ND	H	17		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
4-Methyl-2-pentanone	ND	H	5.7		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
2-Butanone	ND	H	5.7		ug/Kg	☼	06/09/11 09:59	06/10/11 00:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	100		80 - 120				06/09/11 09:59	06/10/11 00:37	1
Toluene-d8 (Surr)	95		80 - 120				06/09/11 09:59	06/10/11 00:37	1
Ethylbenzene-d10	108		70 - 120				06/09/11 09:59	06/10/11 00:37	1
4-Bromofluorobenzene (Surr)	97		70 - 120				06/09/11 09:59	06/10/11 00:37	1
Trifluorotoluene (Surr)	92		65 - 140				06/09/11 09:59	06/10/11 00:37	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
beta-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
delta-BHC	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
4,4'-DDD	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
4,4'-DDE	5.6		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
4,4'-DDT	4.5	^	2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Dieldrin	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endosulfan II	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endosulfan sulfate	ND	^	2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endrin	ND		2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endrin aldehyde	ND	^	2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Heptachlor	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Heptachlor epoxide	ND	^	1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Methoxychlor	ND	^	12		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Endrin ketone	ND	^	2.4		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Toxaphene	ND	^	120		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/03/11 09:27	06/16/11 23:20	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		49 - 123				06/03/11 09:27	06/16/11 23:20	1
DCB Decachlorobiphenyl	30	X ^ I	40 - 158				06/03/11 09:27	06/16/11 23:20	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-2.0-2.5

Lab Sample ID: 580-26451-24

Date Collected: 05/26/11 08:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.3		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Lead	84		1.7		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Antimony	ND		3.3		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Cadmium	ND		0.55		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Copper	24		1.1		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Manganese	530		1.1		mg/Kg	☼	06/10/11 13:06	06/10/11 17:49	1
Zinc	200		11		mg/Kg	☼	06/10/11 13:06	06/13/11 20:50	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.018		mg/Kg	☼	06/13/11 09:00	06/13/11 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%			06/03/11 09:31	1
Percent Moisture	18		0.10		%			06/03/11 09:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-0.0-0.5

Lab Sample ID: 580-26451-26

Date Collected: 05/26/11 09:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chloromethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Vinyl chloride	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Bromomethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Trichlorofluoromethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1-Dichloroethene	ND	H	5.6		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Methylene Chloride	ND	H	17		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
trans-1,2-Dichloroethene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1-Dichloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
2,2-Dichloropropane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
cis-1,2-Dichloroethene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chlorobromomethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chloroform	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1,1-Trichloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Carbon tetrachloride	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1-Dichloropropene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Benzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2-Dichloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Trichloroethene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2-Dichloropropane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Dibromomethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Dichlorobromomethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
cis-1,3-Dichloropropene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Toluene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
trans-1,3-Dichloropropene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1,2-Trichloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Tetrachloroethene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,3-Dichloropropane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chlorodibromomethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Ethylene Dibromide	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Chlorobenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Ethylbenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1,1,2-Tetrachloroethane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,1,2,2-Tetrachloroethane	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
m-Xylene & p-Xylene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
o-Xylene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Styrene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Bromoform	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Isopropylbenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Bromobenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
N-Propylbenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2,3-Trichloropropane	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
2-Chlorotoluene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,3,5-Trimethylbenzene	ND	H	5.6		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
4-Chlorotoluene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
tert-Butylbenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2,4-Trimethylbenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
sec-Butylbenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,3-Dichlorobenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-0.0-0.5

Lab Sample ID: 580-26451-26

Date Collected: 05/26/11 09:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,4-Dichlorobenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
n-Butylbenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2-Dichlorobenzene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2-Dibromo-3-Chloropropane	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2,4-Trichlorobenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
1,2,3-Trichlorobenzene	ND	H	2.2		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Hexachlorobutadiene	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Naphthalene	ND	H	5.6		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Methyl tert-butyl ether	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Carbon disulfide	ND	H	1.1		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Acetone	ND	H	17		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
4-Methyl-2-pentanone	ND	H	5.6		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
2-Butanone	ND	H	5.6		ug/Kg	*	06/09/11 09:59	06/10/11 01:01	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	103		80 - 120				06/09/11 09:59	06/10/11 01:01	1
Toluene-d8 (Surr)	99		80 - 120				06/09/11 09:59	06/10/11 01:01	1
Ethylbenzene-d10	123	X	70 - 120				06/09/11 09:59	06/10/11 01:01	1
4-Bromofluorobenzene (Surr)	114		70 - 120				06/09/11 09:59	06/10/11 01:01	1
Trifluorotoluene (Surr)	84		65 - 140				06/09/11 09:59	06/10/11 01:01	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
alpha-BHC	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
beta-BHC	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
delta-BHC	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
4,4'-DDD	3.0		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
4,4'-DDE	4.4		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
4,4'-DDT	3.1		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Dieldrin	3.0		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endosulfan I	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endosulfan II	ND		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endosulfan sulfate	ND		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endrin	ND		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endrin aldehyde	ND		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Heptachlor	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Heptachlor epoxide	ND		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Methoxychlor	ND		10		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Endrin ketone	ND		2.1		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Toxaphene	ND		100		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
alpha-Chlordane	3.2		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
gamma-Chlordane	3.8		1.0		ug/Kg	*	06/07/11 09:42	06/15/11 10:42	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		49 - 123				06/07/11 09:42	06/15/11 10:42	1
DCB Decachlorobiphenyl	47		40 - 158				06/07/11 09:42	06/15/11 10:42	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-0.0-0.5

Lab Sample ID: 580-26451-26

Date Collected: 05/26/11 09:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		2.5		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Lead	42		1.3		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Antimony	ND		2.5		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Cadmium	0.76		0.42		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Copper	25		0.84		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Manganese	400		0.84		mg/Kg	*	06/10/11 13:06	06/10/11 17:53	1
Zinc	150		8.4		mg/Kg	*	06/10/11 13:06	06/13/11 20:53	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.054		0.018		mg/Kg	*	06/13/11 09:00	06/13/11 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%			06/03/11 10:22	1
Percent Moisture	7.2		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-3.5-4.0

Lab Sample ID: 580-26451-28

Date Collected: 05/26/11 09:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chloromethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Vinyl chloride	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Bromomethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Trichlorofluoromethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1-Dichloroethene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Methylene Chloride	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
trans-1,2-Dichloroethene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1-Dichloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
2,2-Dichloropropane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
cis-1,2-Dichloroethene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chlorobromomethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chloroform	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1,1-Trichloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Carbon tetrachloride	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1-Dichloropropene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Benzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2-Dichloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Trichloroethene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2-Dichloropropane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Dibromomethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Dichlorobromomethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
cis-1,3-Dichloropropene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Toluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
trans-1,3-Dichloropropene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1,2-Trichloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Tetrachloroethene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,3-Dichloropropane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chlorodibromomethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Ethylene Dibromide	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Chlorobenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Ethylbenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1,1,2-Tetrachloroethane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
o-Xylene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Styrene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Bromoform	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Isopropylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Bromobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
N-Propylbenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2,3-Trichloropropane	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
tert-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
sec-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,3-Dichlorobenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-3.5-4.0

Lab Sample ID: 580-26451-28

Date Collected: 05/26/11 09:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,4-Dichlorobenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
n-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2-Dichlorobenzene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Hexachlorobutadiene	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Naphthalene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Methyl tert-butyl ether	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Carbon disulfide	ND		0.93		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Acetone	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
4-Methyl-2-pentanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
2-Butanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 22:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	102		80 - 120				06/09/11 09:59	06/09/11 22:37	1
Toluene-d8 (Surr)	98		80 - 120				06/09/11 09:59	06/09/11 22:37	1
Ethylbenzene-d10	107		70 - 120				06/09/11 09:59	06/09/11 22:37	1
4-Bromofluorobenzene (Surr)	99		70 - 120				06/09/11 09:59	06/09/11 22:37	1
Trifluorotoluene (Surr)	87		65 - 140				06/09/11 09:59	06/09/11 22:37	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
4,4'-DDD	6.5		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
4,4'-DDE	4.2		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
4,4'-DDT	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Dieldrin	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endosulfan II	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endosulfan sulfate	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endrin	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endrin aldehyde	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Endrin ketone	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 11:41	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	32	X	49 - 123				06/07/11 09:42	06/15/11 11:41	1
DCB Decachlorobiphenyl	30	X	40 - 158				06/07/11 09:42	06/15/11 11:41	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-3.5-4.0

Lab Sample ID: 580-26451-28

Date Collected: 05/26/11 09:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.8		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Lead	170		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Antimony	ND		2.8		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Cadmium	1.1		0.47		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Copper	100		0.94		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Manganese	360		0.94		mg/Kg	☼	06/10/11 13:06	06/10/11 17:58	1
Zinc	210		9.4		mg/Kg	☼	06/10/11 13:06	06/13/11 20:56	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.015		mg/Kg	☼	06/13/11 09:00	06/13/11 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/03/11 10:22	1
Percent Moisture	12		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: D-TP3-052611-4.5

Lab Sample ID: 580-26451-29

Date Collected: 05/26/11 10:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.5

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
beta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
delta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
4,4'-DDD	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
4,4'-DDE	4.8		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
4,4'-DDT	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Dieldrin	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endosulfan II	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endosulfan sulfate	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endrin	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endrin aldehyde	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Heptachlor	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Methoxychlor	ND		12		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Endrin ketone	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Toxaphene	ND		120		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:00	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	55		49 - 123				06/07/11 09:42	06/15/11 12:00	1
DCB Decachlorobiphenyl	28	X	40 - 158				06/07/11 09:42	06/15/11 12:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Lead	13		1.5		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Antimony	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Cadmium	ND		0.49		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Copper	24		0.98		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Manganese	330		0.98		mg/Kg	☼	06/10/11 13:06	06/10/11 18:02	1
Zinc	260		9.8		mg/Kg	☼	06/10/11 13:06	06/13/11 21:00	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.020		mg/Kg	☼	06/13/11 09:00	06/13/11 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10		%			06/03/11 10:22	1
Percent Moisture	20		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: D-TP3.2-052611-4.5

Lab Sample ID: 580-26451-30

Date Collected: 05/26/11 10:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
4,4'-DDD	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
4,4'-DDE	2.6		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
4,4'-DDT	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Dieldrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endosulfan II	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endrin aldehyde	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Endrin ketone	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 12:20	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	55		49 - 123				06/07/11 09:42	06/15/11 12:20	1
DCB Decachlorobiphenyl	26	X	40 - 158				06/07/11 09:42	06/15/11 12:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.6		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Lead	13		1.8		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Antimony	ND		3.6		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Cadmium	ND		0.61		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Copper	21		1.2		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Manganese	310		1.2		mg/Kg	*	06/10/11 13:06	06/10/11 18:06	1
Zinc	250		12		mg/Kg	*	06/10/11 13:06	06/13/11 21:03	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019		mg/Kg	*	06/13/11 09:00	06/13/11 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%			06/03/11 10:22	1
Percent Moisture	18		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP1-052611-5.0

Lab Sample ID: 580-26451-32

Date Collected: 05/26/11 11:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 78.5

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
beta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
delta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
4,4'-DDD	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
4,4'-DDE	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
4,4'-DDT	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Dieldrin	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endosulfan II	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endosulfan sulfate	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endrin	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endrin aldehyde	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Heptachlor	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Methoxychlor	ND		12		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Endrin ketone	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Toxaphene	ND		120		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:39	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 123				06/07/11 09:42	06/15/11 12:39	1
DCB Decachlorobiphenyl	29	X	40 - 158				06/07/11 09:42	06/15/11 12:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.5		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Lead	5.8		1.7		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Antimony	ND		3.5		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Cadmium	ND		0.58		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Copper	29		1.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Manganese	280		1.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:10	1
Zinc	69		12		mg/Kg	☼	06/10/11 13:06	06/13/11 21:06	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.021		mg/Kg	☼	06/13/11 09:00	06/13/11 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10		%			06/03/11 10:22	1
Percent Moisture	22		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP2-052611-8.0

Lab Sample ID: 580-26451-33

Date Collected: 05/26/11 11:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
beta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
delta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
4,4'-DDD	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
4,4'-DDE	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
4,4'-DDT	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Dieldrin	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endosulfan II	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endosulfan sulfate	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endrin	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endrin aldehyde	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Heptachlor	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Methoxychlor	ND		12		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Endrin ketone	ND		2.5		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Toxaphene	ND		120		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 12:58	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		49 - 123				06/07/11 09:42	06/15/11 12:58	1
DCB Decachlorobiphenyl	28	X	40 - 158				06/07/11 09:42	06/15/11 12:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Lead	41		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Antimony	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Cadmium	0.95		0.48		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Copper	25		0.96		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Manganese	240		0.96		mg/Kg	☼	06/10/11 13:06	06/10/11 18:14	1
Zinc	610		19		mg/Kg	☼	06/10/11 13:06	06/13/11 21:09	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.090		0.019		mg/Kg	☼	06/13/11 09:00	06/13/11 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%			06/03/11 10:22	1
Percent Moisture	21		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP3-052611-4.5

Lab Sample ID: 580-26451-34

Date Collected: 05/26/11 13:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.9

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
beta-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
delta-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
4,4'-DDD	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
4,4'-DDE	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
4,4'-DDT	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Dieldrin	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endosulfan II	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endosulfan sulfate	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endrin	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endrin aldehyde	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Heptachlor	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Methoxychlor	ND		11		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Endrin ketone	ND		2.3		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Toxaphene	ND		110		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:38	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 123				06/07/11 09:42	06/15/11 14:38	1
DCB Decachlorobiphenyl	33	X	40 - 158				06/07/11 09:42	06/15/11 14:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Lead	5.2		1.5		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Antimony	ND		3.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Cadmium	ND		0.51		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Copper	23		1.0		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Manganese	340		1.0		mg/Kg	☼	06/10/11 13:06	06/10/11 18:26	1
Zinc	58		2.1		mg/Kg	☼	06/10/11 13:06	06/13/11 21:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.018		mg/Kg	☼	06/13/11 09:00	06/13/11 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			06/03/11 10:22	1
Percent Moisture	17		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP3.2-052611-4.5

Lab Sample ID: 580-26451-35

Date Collected: 05/26/11 13:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
beta-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
delta-BHC	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
4,4'-DDD	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
4,4'-DDE	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
4,4'-DDT	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Dieldrin	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endosulfan II	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endosulfan sulfate	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endrin	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endrin aldehyde	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Heptachlor	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Methoxychlor	ND		11		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Endrin ketone	ND		2.2		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Toxaphene	ND		110		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 09:42	06/15/11 14:58	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		49 - 123				06/07/11 09:42	06/15/11 14:58	1
DCB Decachlorobiphenyl	27	X	40 - 158				06/07/11 09:42	06/15/11 14:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Lead	4.5		1.5		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Antimony	ND		3.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Cadmium	ND		0.51		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Copper	24		1.0		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Manganese	320		1.0		mg/Kg	☼	06/10/11 13:06	06/10/11 18:30	1
Zinc	58		2.0		mg/Kg	☼	06/10/11 13:06	06/13/11 21:21	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.019		mg/Kg	☼	06/13/11 09:00	06/13/11 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			06/03/11 10:22	1
Percent Moisture	17		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1-052611-6.5

Lab Sample ID: 580-26451-36

Date Collected: 05/26/11 13:05

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chloromethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Vinyl chloride	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Bromomethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Trichlorofluoromethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1-Dichloroethene	ND		4.4		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Methylene Chloride	ND		13		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
trans-1,2-Dichloroethene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1-Dichloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
2,2-Dichloropropane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
cis-1,2-Dichloroethene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chlorobromomethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chloroform	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1,1-Trichloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Carbon tetrachloride	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1-Dichloropropene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Benzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2-Dichloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Trichloroethene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2-Dichloropropane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Dibromomethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Dichlorobromomethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
cis-1,3-Dichloropropene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Toluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
trans-1,3-Dichloropropene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1,2-Trichloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Tetrachloroethene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,3-Dichloropropane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chlorodibromomethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Ethylene Dibromide	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Chlorobenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Ethylbenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1,1,2-Tetrachloroethane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
m-Xylene & p-Xylene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
o-Xylene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Styrene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Bromoform	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Isopropylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Bromobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
N-Propylbenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2,3-Trichloropropane	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
2-Chlorotoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,3,5-Trimethylbenzene	ND		4.4		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
4-Chlorotoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
tert-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
sec-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,3-Dichlorobenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1-052611-6.5

Lab Sample ID: 580-26451-36

Date Collected: 05/26/11 13:05

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,4-Dichlorobenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
n-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2-Dichlorobenzene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2-Dibromo-3-Chloropropane	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Hexachlorobutadiene	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Naphthalene	ND		4.4		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Methyl tert-butyl ether	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Carbon disulfide	ND		0.88		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Acetone	ND		13		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
4-Methyl-2-pentanone	ND		4.4		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
2-Butanone	ND		4.4		ug/Kg		06/08/11 17:34	06/08/11 22:42	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	96		80 - 120				06/08/11 17:34	06/08/11 22:42	1
Toluene-d8 (Surr)	102		80 - 120				06/08/11 17:34	06/08/11 22:42	1
Ethylbenzene-d10	110		70 - 120				06/08/11 17:34	06/08/11 22:42	1
4-Bromofluorobenzene (Surr)	110		70 - 120				06/08/11 17:34	06/08/11 22:42	1
Trifluorotoluene (Surr)	117		65 - 140				06/08/11 17:34	06/08/11 22:42	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1.2-052611-6.5

Lab Sample ID: 580-26451-37

Date Collected: 05/26/11 13:10

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chloromethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Vinyl chloride	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Bromomethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Trichlorofluoromethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1-Dichloroethene	ND		4.6		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Methylene Chloride	ND		14		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
trans-1,2-Dichloroethene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1-Dichloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
2,2-Dichloropropane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
cis-1,2-Dichloroethene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chlorobromomethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chloroform	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1,1-Trichloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Carbon tetrachloride	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1-Dichloropropene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Benzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2-Dichloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Trichloroethene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2-Dichloropropane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Dibromomethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Dichlorobromomethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
cis-1,3-Dichloropropene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Toluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
trans-1,3-Dichloropropene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1,2-Trichloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Tetrachloroethene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,3-Dichloropropane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chlorodibromomethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Ethylene Dibromide	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Chlorobenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Ethylbenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1,1,2-Tetrachloroethane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
m-Xylene & p-Xylene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
o-Xylene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Styrene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Bromoform	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Isopropylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Bromobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
N-Propylbenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2,3-Trichloropropane	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
2-Chlorotoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
4-Chlorotoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
tert-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
sec-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,3-Dichlorobenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1



Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1.2-052611-6.5

Lab Sample ID: 580-26451-37

Date Collected: 05/26/11 13:10

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,4-Dichlorobenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
n-Butylbenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2-Dichlorobenzene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2-Dibromo-3-Chloropropane	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Hexachlorobutadiene	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Naphthalene	ND		4.6		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Methyl tert-butyl ether	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Carbon disulfide	ND		0.91		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
Acetone	ND		14		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
4-Methyl-2-pentanone	ND		4.6		ug/Kg		06/08/11 17:34	06/08/11 23:06	1
2-Butanone	ND		4.6		ug/Kg		06/08/11 17:34	06/08/11 23:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	96		80 - 120	06/08/11 17:34	06/08/11 23:06	1
Toluene-d8 (Surr)	101		80 - 120	06/08/11 17:34	06/08/11 23:06	1
Ethylbenzene-d10	101		70 - 120	06/08/11 17:34	06/08/11 23:06	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/08/11 17:34	06/08/11 23:06	1
Trifluorotoluene (Surr)	115		65 - 140	06/08/11 17:34	06/08/11 23:06	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1-052611-6.0

Lab Sample ID: 580-26451-39

Date Collected: 05/26/11 13:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chloromethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Vinyl chloride	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Bromomethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Trichlorofluoromethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1-Dichloroethene	ND	H	6.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Methylene Chloride	ND	H	19		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
trans-1,2-Dichloroethene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1-Dichloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
2,2-Dichloropropane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
cis-1,2-Dichloroethene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chlorobromomethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chloroform	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1,1-Trichloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Carbon tetrachloride	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1-Dichloropropene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Benzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2-Dichloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Trichloroethene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2-Dichloropropane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Dibromomethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Dichlorobromomethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
cis-1,3-Dichloropropene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Toluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
trans-1,3-Dichloropropene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1,2-Trichloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Tetrachloroethene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,3-Dichloropropane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chlorodibromomethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Ethylene Dibromide	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Chlorobenzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Ethylbenzene	1.2	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1,1,2-Tetrachloroethane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,1,2,2-Tetrachloroethane	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
m-Xylene & p-Xylene	4.9	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
o-Xylene	1.7	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Styrene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Bromoform	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Isopropylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Bromobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
N-Propylbenzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2,3-Trichloropropane	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
2-Chlorotoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,3,5-Trimethylbenzene	ND	H	6.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
4-Chlorotoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
tert-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2,4-Trimethylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
sec-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,3-Dichlorobenzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP1-052611-6.0

Lab Sample ID: 580-26451-39

Date Collected: 05/26/11 13:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,4-Dichlorobenzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
n-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2-Dichlorobenzene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2-Dibromo-3-Chloropropane	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2,4-Trichlorobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
1,2,3-Trichlorobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Hexachlorobutadiene	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Naphthalene	ND	H	6.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Methyl tert-butyl ether	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Carbon disulfide	ND	H	1.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
Acetone	ND	H	19		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
4-Methyl-2-pentanone	ND	H	6.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1
2-Butanone	ND	H	6.2		ug/Kg	☼	06/09/11 09:59	06/10/11 01:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	100		80 - 120	06/09/11 09:59	06/10/11 01:26	1
Toluene-d8 (Surr)	99		80 - 120	06/09/11 09:59	06/10/11 01:26	1
Ethylbenzene-d10	111		70 - 120	06/09/11 09:59	06/10/11 01:26	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/09/11 09:59	06/10/11 01:26	1
Trifluorotoluene (Surr)	88		65 - 140	06/09/11 09:59	06/10/11 01:26	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			06/03/11 10:22	1
Percent Moisture	17		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP2-052611-5.5

Lab Sample ID: 580-26451-41

Date Collected: 05/26/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chloromethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Vinyl chloride	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Bromomethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Trichlorofluoromethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1-Dichloroethene	ND		4.8		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Methylene Chloride	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
trans-1,2-Dichloroethene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1-Dichloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
2,2-Dichloropropane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
cis-1,2-Dichloroethene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chlorobromomethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chloroform	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1,1-Trichloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Carbon tetrachloride	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1-Dichloropropene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Benzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2-Dichloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Trichloroethene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2-Dichloropropane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Dibromomethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Dichlorobromomethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
cis-1,3-Dichloropropene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Toluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
trans-1,3-Dichloropropene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1,2-Trichloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Tetrachloroethene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,3-Dichloropropane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chlorodibromomethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Ethylene Dibromide	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Chlorobenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Ethylbenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1,1,2-Tetrachloroethane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
o-Xylene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Styrene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Bromoform	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Isopropylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Bromobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
N-Propylbenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2,3-Trichloropropane	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
tert-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
sec-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,3-Dichlorobenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP2-052611-5.5

Lab Sample ID: 580-26451-41

Date Collected: 05/26/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,4-Dichlorobenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
n-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2-Dichlorobenzene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Hexachlorobutadiene	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Naphthalene	ND		4.8		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Methyl tert-butyl ether	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Carbon disulfide	ND		0.96		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Acetone	36		14		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
4-Methyl-2-pentanone	ND		4.8		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
2-Butanone	5.5		4.8		ug/Kg	*	06/09/11 09:59	06/09/11 23:01	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	107		80 - 120				06/09/11 09:59	06/09/11 23:01	1
Toluene-d8 (Surr)	95		80 - 120				06/09/11 09:59	06/09/11 23:01	1
Ethylbenzene-d10	100		70 - 120				06/09/11 09:59	06/09/11 23:01	1
4-Bromofluorobenzene (Surr)	92		70 - 120				06/09/11 09:59	06/09/11 23:01	1
Trifluorotoluene (Surr)	92		65 - 140				06/09/11 09:59	06/09/11 23:01	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
4,4'-DDD	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
4,4'-DDE	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
4,4'-DDT	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Dieldrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endosulfan II	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endrin aldehyde	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Endrin ketone	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 15:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 123				06/07/11 09:42	06/15/11 15:17	1
DCB Decachlorobiphenyl	49		40 - 158				06/07/11 09:42	06/15/11 15:17	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP2-052611-5.5

Lab Sample ID: 580-26451-41

Date Collected: 05/26/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Lead	4.6		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Antimony	ND		2.9		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Cadmium	ND		0.48		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Copper	24		0.95		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Manganese	210		0.95		mg/Kg	☼	06/10/11 13:06	06/10/11 18:34	1
Zinc	56		1.9		mg/Kg	☼	06/10/11 13:06	06/13/11 21:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.019		mg/Kg	☼	06/13/11 09:00	06/13/11 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%			06/03/11 10:22	1
Percent Moisture	15		0.10		%			06/03/11 10:22	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP3-052611-5.5

Lab Sample ID: 580-26451-43

Date Collected: 05/26/11 14:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chloromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Vinyl chloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Bromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Trichlorofluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1-Dichloroethene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Methylene Chloride	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
trans-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
2,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
cis-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chloroform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1,1-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Carbon tetrachloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Benzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Trichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Dibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Dichlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
cis-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Toluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
trans-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1,2-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Tetrachloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,3-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chlorodibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Ethylene Dibromide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Chlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Ethylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1,1,2-Tetrachloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
o-Xylene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Styrene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Bromoform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Isopropylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Bromobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
N-Propylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2,3-Trichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
tert-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
sec-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,3-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP3-052611-5.5

Lab Sample ID: 580-26451-43

Date Collected: 05/26/11 14:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,4-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
n-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Hexachlorobutadiene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Naphthalene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Methyl tert-butyl ether	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Carbon disulfide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Acetone	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
4-Methyl-2-pentanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
2-Butanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 21:00	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	100		80 - 120				06/09/11 09:59	06/09/11 21:00	1
Toluene-d8 (Surr)	99		80 - 120				06/09/11 09:59	06/09/11 21:00	1
Ethylbenzene-d10	105		70 - 120				06/09/11 09:59	06/09/11 21:00	1
4-Bromofluorobenzene (Surr)	99		70 - 120				06/09/11 09:59	06/09/11 21:00	1
Trifluorotoluene (Surr)	90		65 - 140				06/09/11 09:59	06/09/11 21:00	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
alpha-BHC	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
beta-BHC	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
delta-BHC	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
4,4'-DDD	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
4,4'-DDE	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
4,4'-DDT	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Dieldrin	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endosulfan I	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endosulfan II	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endosulfan sulfate	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endrin	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endrin aldehyde	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Heptachlor	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Heptachlor epoxide	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Methoxychlor	ND		12		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Endrin ketone	ND		2.4		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Toxaphene	ND		120		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
alpha-Chlordane	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
gamma-Chlordane	ND		1.2		ug/Kg	*	06/07/11 09:42	06/15/11 15:37	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		49 - 123				06/07/11 09:42	06/15/11 15:37	1
DCB Decachlorobiphenyl	47		40 - 158				06/07/11 09:42	06/15/11 15:37	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP3-052611-5.5

Lab Sample ID: 580-26451-43

Date Collected: 05/26/11 14:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.7		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Lead	13		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Antimony	ND		2.7		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Cadmium	ND		0.45		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Copper	20		0.90		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Manganese	330		0.90		mg/Kg	☼	06/10/11 13:06	06/10/11 18:38	1
Zinc	69		1.8		mg/Kg	☼	06/10/11 13:06	06/13/11 21:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.018		mg/Kg	☼	06/13/11 09:00	06/13/11 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%			06/03/11 10:22	1
Percent Moisture	17		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-44

Date Collected: 05/26/11 15:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chloromethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Vinyl chloride	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Bromomethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Trichlorofluoromethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1-Dichloroethene	ND	H	6.4		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Methylene Chloride	ND	H	19		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
trans-1,2-Dichloroethene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1-Dichloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
2,2-Dichloropropane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
cis-1,2-Dichloroethene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chlorobromomethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chloroform	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1,1-Trichloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Carbon tetrachloride	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1-Dichloropropene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Benzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2-Dichloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Trichloroethene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2-Dichloropropane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Dibromomethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Dichlorobromomethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
cis-1,3-Dichloropropene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Toluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
trans-1,3-Dichloropropene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1,2-Trichloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Tetrachloroethene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,3-Dichloropropane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chlorodibromomethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Ethylene Dibromide	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Chlorobenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Ethylbenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1,1,2-Tetrachloroethane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,1,2,2-Tetrachloroethane	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
m-Xylene & p-Xylene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
o-Xylene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Styrene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Bromoform	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Isopropylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Bromobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
N-Propylbenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2,3-Trichloropropane	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
2-Chlorotoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,3,5-Trimethylbenzene	ND	H	6.4		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
4-Chlorotoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
tert-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2,4-Trimethylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
sec-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,3-Dichlorobenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-44

Date Collected: 05/26/11 15:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,4-Dichlorobenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
n-Butylbenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2-Dichlorobenzene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2-Dibromo-3-Chloropropane	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2,4-Trichlorobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
1,2,3-Trichlorobenzene	ND	H	2.5		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Hexachlorobutadiene	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Naphthalene	ND	H	6.4		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Methyl tert-butyl ether	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Carbon disulfide	ND	H	1.3		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Acetone	ND	H	19		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
4-Methyl-2-pentanone	ND	H	6.4		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
2-Butanone	ND	H	6.4		ug/Kg	☼	06/09/11 09:59	06/10/11 01:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	102		80 - 120				06/09/11 09:59	06/10/11 01:50	1
Toluene-d8 (Surr)	98		80 - 120				06/09/11 09:59	06/10/11 01:50	1
Ethylbenzene-d10	100		70 - 120				06/09/11 09:59	06/10/11 01:50	1
4-Bromofluorobenzene (Surr)	94		70 - 120				06/09/11 09:59	06/10/11 01:50	1
Trifluorotoluene (Surr)	92		65 - 140				06/09/11 09:59	06/10/11 01:50	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
beta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
delta-BHC	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
4,4'-DDD	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
4,4'-DDE	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
4,4'-DDT	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Dieldrin	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endosulfan II	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endosulfan sulfate	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endrin	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endrin aldehyde	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Heptachlor	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Methoxychlor	ND		12		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Endrin ketone	ND		2.4		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Toxaphene	ND		120		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 09:42	06/15/11 15:56	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 123				06/07/11 09:42	06/15/11 15:56	1
DCB Decachlorobiphenyl	56		40 - 158				06/07/11 09:42	06/15/11 15:56	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-44

Date Collected: 05/26/11 15:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/06/11 15:03	06/07/11 14:34	1
Gasoline	ND		24		mg/Kg	☼	06/06/11 15:03	06/07/11 14:34	1
#2 Diesel (>C12-C24)	ND		60		mg/Kg	☼	06/06/11 15:03	06/07/11 14:34	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	104		50 - 150				06/06/11 15:03	06/07/11 14:34	1
4-Bromofluorobenzene (Surr)	98		50 - 150				06/06/11 15:03	06/07/11 14:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Lead	3.5		1.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Antimony	ND		2.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Cadmium	ND		0.40		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Copper	16		0.81		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Manganese	210		0.81		mg/Kg	☼	06/10/11 13:06	06/10/11 18:43	1
Zinc	41		1.6		mg/Kg	☼	06/10/11 13:06	06/13/11 21:30	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.017		mg/Kg	☼	06/13/11 08:00	06/13/11 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%			06/03/11 10:22	1
Percent Moisture	23		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-1.0-2.0

Lab Sample ID: 580-26451-45

Date Collected: 05/26/11 15:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 63.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chloromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Vinyl chloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Bromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Trichlorofluoromethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1-Dichloroethene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Methylene Chloride	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
trans-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
2,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
cis-1,2-Dichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chloroform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1,1-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Carbon tetrachloride	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Benzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2-Dichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Trichloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Dibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Dichlorobromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
cis-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Toluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
trans-1,3-Dichloropropene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1,2-Trichloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Tetrachloroethene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,3-Dichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chlorodibromomethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Ethylene Dibromide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Chlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Ethylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1,1,2-Tetrachloroethane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
o-Xylene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Styrene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Bromoform	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Isopropylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Bromobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
N-Propylbenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2,3-Trichloropropane	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
2-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
4-Chlorotoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
tert-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
sec-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,3-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-1.0-2.0

Lab Sample ID: 580-26451-45

Date Collected: 05/26/11 15:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 63.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,4-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
n-Butylbenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2-Dichlorobenzene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Hexachlorobutadiene	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Naphthalene	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Methyl tert-butyl ether	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Carbon disulfide	ND		0.94		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Acetone	ND		14		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
4-Methyl-2-pentanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
2-Butanone	ND		4.7		ug/Kg	*	06/09/11 09:59	06/09/11 23:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	101		80 - 120				06/09/11 09:59	06/09/11 23:26	1
Toluene-d8 (Surr)	99		80 - 120				06/09/11 09:59	06/09/11 23:26	1
Ethylbenzene-d10	104		70 - 120				06/09/11 09:59	06/09/11 23:26	1
4-Bromofluorobenzene (Surr)	99		70 - 120				06/09/11 09:59	06/09/11 23:26	1
Trifluorotoluene (Surr)	87		65 - 140				06/09/11 09:59	06/09/11 23:26	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
alpha-BHC	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
beta-BHC	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
delta-BHC	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
gamma-BHC (Lindane)	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
4,4'-DDD	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
4,4'-DDE	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
4,4'-DDT	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Dieldrin	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endosulfan I	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endosulfan II	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endosulfan sulfate	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endrin	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endrin aldehyde	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Heptachlor	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Heptachlor epoxide	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Methoxychlor	ND		16		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Endrin ketone	ND		3.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Toxaphene	ND		160		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
alpha-Chlordane	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
gamma-Chlordane	ND		1.6		ug/Kg	*	06/07/11 09:42	06/15/11 16:16	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		49 - 123				06/07/11 09:42	06/15/11 16:16	1
DCB Decachlorobiphenyl	25	X	40 - 158				06/07/11 09:42	06/15/11 16:16	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-1.0-2.0

Lab Sample ID: 580-26451-45

Date Collected: 05/26/11 15:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 63.9

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		150		mg/Kg	☼	06/06/11 15:03	06/07/11 15:18	1
Gasoline	ND		30		mg/Kg	☼	06/06/11 15:03	06/07/11 15:18	1
#2 Diesel (>C12-C24)	ND		74		mg/Kg	☼	06/06/11 15:03	06/07/11 15:18	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	103		50 - 150				06/06/11 15:03	06/07/11 15:18	1
4-Bromofluorobenzene (Surr)	97		50 - 150				06/06/11 15:03	06/07/11 15:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		4.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Lead	80		2.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Antimony	ND		4.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Cadmium	1.5		0.70		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Copper	40		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Manganese	470		1.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:47	1
Zinc	510		14		mg/Kg	☼	06/10/11 13:06	06/13/11 21:34	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.021		mg/Kg	☼	06/13/11 08:00	06/13/11 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	64		0.10		%			06/03/11 10:22	1
Percent Moisture	36		0.10		%			06/03/11 10:22	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-46

Date Collected: 05/26/11 16:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 51.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chloromethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Vinyl chloride	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Bromomethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chloroethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Trichlorofluoromethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1-Dichloroethene	ND		9.4		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Methylene Chloride	ND		28		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
trans-1,2-Dichloroethene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1-Dichloroethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
2,2-Dichloropropane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
cis-1,2-Dichloroethene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chlorobromomethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chloroform	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1,1-Trichloroethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Carbon tetrachloride	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1-Dichloropropene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Benzene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2-Dichloroethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Trichloroethene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2-Dichloropropane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Dibromomethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Dichlorobromomethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
cis-1,3-Dichloropropene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Toluene	ND		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1,2-Trichloroethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Tetrachloroethene	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,3-Dichloropropane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chlorodibromomethane	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Ethylene Dibromide	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Chlorobenzene	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Ethylbenzene	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1,1,2-Tetrachloroethane	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,1,2,2-Tetrachloroethane	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
m-Xylene & p-Xylene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
o-Xylene	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Styrene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Bromoform	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Isopropylbenzene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Bromobenzene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
N-Propylbenzene	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2,3-Trichloropropane	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
2-Chlorotoluene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,3,5-Trimethylbenzene	ND *		9.4		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
4-Chlorotoluene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
tert-Butylbenzene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2,4-Trimethylbenzene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
sec-Butylbenzene	ND *		3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,3-Dichlorobenzene	ND *		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-46

Date Collected: 05/26/11 16:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 51.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	*	3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,4-Dichlorobenzene	ND	*	1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
n-Butylbenzene	ND	*	3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2-Dichlorobenzene	ND	*	1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2-Dibromo-3-Chloropropane	ND	*	3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2,4-Trichlorobenzene	ND	*	3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
1,2,3-Trichlorobenzene	ND	*	3.8		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Hexachlorobutadiene	ND	*	1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Naphthalene	ND	*	9.4		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Methyl tert-butyl ether	ND		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Carbon disulfide	6.4		1.9		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Acetone	94		28		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
4-Methyl-2-pentanone	ND		9.4		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
2-Butanone	10		9.4		ug/Kg	☼	06/09/11 09:59	06/09/11 23:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	101		80 - 120				06/09/11 09:59	06/09/11 23:50	1
Toluene-d8 (Surr)	93		80 - 120				06/09/11 09:59	06/09/11 23:50	1
Ethylbenzene-d10	152	X*	70 - 120				06/09/11 09:59	06/09/11 23:50	1
4-Bromofluorobenzene (Surr)	115	*	70 - 120				06/09/11 09:59	06/09/11 23:50	1
Trifluorotoluene (Surr)	96		65 - 140				06/09/11 09:59	06/09/11 23:50	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
alpha-BHC	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
beta-BHC	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
delta-BHC	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
4,4'-DDD	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
4,4'-DDE	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
4,4'-DDT	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Dieldrin	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endosulfan I	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endosulfan II	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endosulfan sulfate	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endrin	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endrin aldehyde	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Heptachlor	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Heptachlor epoxide	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Methoxychlor	ND		19		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Endrin ketone	ND		3.8		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Toxaphene	ND		190		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
alpha-Chlordane	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
gamma-Chlordane	ND		1.9		ug/Kg	☼	06/07/11 09:42	06/15/11 16:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	20	X	49 - 123				06/07/11 09:42	06/15/11 16:35	1
DCB Decachlorobiphenyl	8	X	40 - 158				06/07/11 09:42	06/15/11 16:35	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-46

Date Collected: 05/26/11 16:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 51.4

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		180		mg/Kg	☼	06/06/11 15:03	06/07/11 15:40	1
Gasoline	ND		36		mg/Kg	☼	06/06/11 15:03	06/07/11 15:40	1
#2 Diesel (>C12-C24)	ND		90		mg/Kg	☼	06/06/11 15:03	06/07/11 15:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	107		50 - 150				06/06/11 15:03	06/07/11 15:40	1
4-Bromofluorobenzene (Surr)	98		50 - 150				06/06/11 15:03	06/07/11 15:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Lead	110		2.6		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Antimony	ND		5.1		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Cadmium	3.7		0.86		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Copper	39		1.7		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Manganese	190		1.7		mg/Kg	☼	06/10/11 13:06	06/10/11 18:51	1
Zinc	1700		34		mg/Kg	☼	06/10/11 13:06	06/13/11 21:37	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.029		mg/Kg	☼	06/13/11 08:00	06/13/11 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	51		0.10		%			06/03/11 10:48	1
Percent Moisture	49		0.10		%			06/03/11 10:48	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.5-1.0

Lab Sample ID: 580-26451-47

Date Collected: 05/26/11 16:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chloromethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Vinyl chloride	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Bromomethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Trichlorofluoromethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1-Dichloroethene	ND	H	6.0		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Methylene Chloride	ND	H	18		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
trans-1,2-Dichloroethene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1-Dichloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
2,2-Dichloropropane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
cis-1,2-Dichloroethene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chlorobromomethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chloroform	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1,1-Trichloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Carbon tetrachloride	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1-Dichloropropene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Benzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2-Dichloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Trichloroethene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2-Dichloropropane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Dibromomethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Dichlorobromomethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
cis-1,3-Dichloropropene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Toluene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
trans-1,3-Dichloropropene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1,2-Trichloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Tetrachloroethene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,3-Dichloropropane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chlorodibromomethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Ethylene Dibromide	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Chlorobenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Ethylbenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1,1,2-Tetrachloroethane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,1,2,2-Tetrachloroethane	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
m-Xylene & p-Xylene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
o-Xylene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Styrene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Bromoform	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Isopropylbenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Bromobenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
N-Propylbenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2,3-Trichloropropane	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
2-Chlorotoluene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,3,5-Trimethylbenzene	ND	H	6.0		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
4-Chlorotoluene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
tert-Butylbenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2,4-Trimethylbenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
sec-Butylbenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,3-Dichlorobenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.5-1.0

Lab Sample ID: 580-26451-47

Date Collected: 05/26/11 16:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,4-Dichlorobenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
n-Butylbenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2-Dichlorobenzene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2-Dibromo-3-Chloropropane	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2,4-Trichlorobenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
1,2,3-Trichlorobenzene	ND	H	2.4		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Hexachlorobutadiene	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Naphthalene	ND	H	6.0		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Methyl tert-butyl ether	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Carbon disulfide	ND	H	1.2		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Acetone	ND	H	18		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
4-Methyl-2-pentanone	ND	H	6.0		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
2-Butanone	ND	H	6.0		ug/Kg	*	06/09/11 09:59	06/10/11 02:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	105		80 - 120				06/09/11 09:59	06/10/11 02:14	1
Toluene-d8 (Surr)	96		80 - 120				06/09/11 09:59	06/10/11 02:14	1
Ethylbenzene-d10	102		70 - 120				06/09/11 09:59	06/10/11 02:14	1
4-Bromofluorobenzene (Surr)	96		70 - 120				06/09/11 09:59	06/10/11 02:14	1
Trifluorotoluene (Surr)	88		65 - 140				06/09/11 09:59	06/10/11 02:14	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
4,4'-DDD	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
4,4'-DDE	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
4,4'-DDT	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Dieldrin	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endosulfan II	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endosulfan sulfate	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endrin	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endrin aldehyde	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Endrin ketone	ND		2.2		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 16:54	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		49 - 123				06/07/11 09:42	06/15/11 16:54	1
DCB Decachlorobiphenyl	47		40 - 158				06/07/11 09:42	06/15/11 16:54	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.5-1.0

Lab Sample ID: 580-26451-47

Date Collected: 05/26/11 16:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/06/11 15:03	06/07/11 16:03	1
Gasoline	ND		22		mg/Kg	☼	06/06/11 15:03	06/07/11 16:03	1
#2 Diesel (>C12-C24)	ND		54		mg/Kg	☼	06/06/11 15:03	06/07/11 16:03	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	107		50 - 150				06/06/11 15:03	06/07/11 16:03	1
4-Bromofluorobenzene (Surr)	100		50 - 150				06/06/11 15:03	06/07/11 16:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Lead	4.2		1.2		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Antimony	ND		2.4		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Cadmium	ND		0.40		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Copper	17		0.80		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Manganese	160		0.80		mg/Kg	☼	06/10/11 13:06	06/10/11 18:55	1
Zinc	310		16		mg/Kg	☼	06/10/11 13:06	06/13/11 21:40	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.015		mg/Kg	☼	06/13/11 08:00	06/13/11 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/03/11 10:48	1
Percent Moisture	13		0.10		%			06/03/11 10:48	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-0.5-1.0

Lab Sample ID: 580-26451-48

Date Collected: 05/26/11 16:47

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.3

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

Table with columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Rows list various compounds like Dichlorodifluoromethane, Chloromethane, Vinyl chloride, etc., with their respective results and detection dates.

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-0.5-1.0

Lab Sample ID: 580-26451-48

Date Collected: 05/26/11 16:47

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	1.8		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
1,4-Dichlorobenzene	ND	H	0.91		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
n-Butylbenzene	ND	H	1.8		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
1,2-Dichlorobenzene	ND	H	0.91		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
1,2-Dibromo-3-Chloropropane	ND	H	1.8		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
1,2,4-Trichlorobenzene	ND	H	1.8		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
1,2,3-Trichlorobenzene	ND	H	1.8		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Hexachlorobutadiene	ND	H	0.91		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Naphthalene	ND	H	4.5		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Methyl tert-butyl ether	ND	H	0.91		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Carbon disulfide	1.0	H	0.91		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Acetone	29	H	14		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
4-Methyl-2-pentanone	ND	H	4.5		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
2-Butanone	ND	H	4.5		ug/Kg	*	06/09/11 09:59	06/10/11 00:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	103		80 - 120				06/09/11 09:59	06/10/11 00:14	1
Toluene-d8 (Surr)	93		80 - 120				06/09/11 09:59	06/10/11 00:14	1
Ethylbenzene-d10	97		70 - 120				06/09/11 09:59	06/10/11 00:14	1
4-Bromofluorobenzene (Surr)	89		70 - 120				06/09/11 09:59	06/10/11 00:14	1
Trifluorotoluene (Surr)	82		65 - 140				06/09/11 09:59	06/10/11 00:14	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
4,4'-DDD	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
4,4'-DDE	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
4,4'-DDT	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Dieldrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endosulfan II	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endrin aldehyde	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Endrin ketone	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 123				06/07/11 09:42	06/15/11 17:14	1
DCB Decachlorobiphenyl	56		40 - 158				06/07/11 09:42	06/15/11 17:14	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-0.5-1.0

Lab Sample ID: 580-26451-48

Date Collected: 05/26/11 16:47

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/06/11 15:03	06/07/11 16:26	1
Gasoline	ND		22		mg/Kg	☼	06/06/11 15:03	06/07/11 16:26	1
#2 Diesel (>C12-C24)	ND		55		mg/Kg	☼	06/06/11 15:03	06/07/11 16:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	107		50 - 150				06/06/11 15:03	06/07/11 16:26	1
4-Bromofluorobenzene (Surr)	101		50 - 150				06/06/11 15:03	06/07/11 16:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.4		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Lead	19		1.7		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Antimony	ND		3.4		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Cadmium	1.6		0.56		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Copper	19		1.1		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Manganese	250		1.1		mg/Kg	☼	06/10/11 13:06	06/10/11 19:00	1
Zinc	670		22		mg/Kg	☼	06/10/11 13:06	06/13/11 21:43	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.071		0.017		mg/Kg	☼	06/13/11 08:00	06/13/11 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/03/11 10:48	1
Percent Moisture	13		0.10		%			06/03/11 10:48	1



Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-1.0-2.0

Lab Sample ID: 580-26451-49

Date Collected: 05/26/11 16:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chloromethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Vinyl chloride	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Bromomethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Trichlorofluoromethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1-Dichloroethene	ND	H	6.5		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Methylene Chloride	ND	H	19		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
trans-1,2-Dichloroethene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1-Dichloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
2,2-Dichloropropane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
cis-1,2-Dichloroethene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chlorobromomethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chloroform	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1,1-Trichloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Carbon tetrachloride	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1-Dichloropropene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Benzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2-Dichloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Trichloroethene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2-Dichloropropane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Dibromomethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Dichlorobromomethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
cis-1,3-Dichloropropene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Toluene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
trans-1,3-Dichloropropene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1,2-Trichloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Tetrachloroethene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,3-Dichloropropane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chlorodibromomethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Ethylene Dibromide	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Chlorobenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Ethylbenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1,1,2-Tetrachloroethane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,1,2,2-Tetrachloroethane	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
m-Xylene & p-Xylene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
o-Xylene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Styrene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Bromoform	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Isopropylbenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Bromobenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
N-Propylbenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2,3-Trichloropropane	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
2-Chlorotoluene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,3,5-Trimethylbenzene	ND	H	6.5		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
4-Chlorotoluene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
tert-Butylbenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2,4-Trimethylbenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
sec-Butylbenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,3-Dichlorobenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1

TestAmerica Seattle



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-1.0-2.0

Lab Sample ID: 580-26451-49

Date Collected: 05/26/11 16:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,4-Dichlorobenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
n-Butylbenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2-Dichlorobenzene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2-Dibromo-3-Chloropropane	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2,4-Trichlorobenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
1,2,3-Trichlorobenzene	ND	H	2.6		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Hexachlorobutadiene	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Naphthalene	ND	H	6.5		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Methyl tert-butyl ether	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Carbon disulfide	ND	H	1.3		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Acetone	38	H	19		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
4-Methyl-2-pentanone	ND	H	6.5		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
2-Butanone	ND	H	6.5		ug/Kg	*	06/09/11 09:59	06/10/11 02:39	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	102		80 - 120				06/09/11 09:59	06/10/11 02:39	1
Toluene-d8 (Surr)	97		80 - 120				06/09/11 09:59	06/10/11 02:39	1
Ethylbenzene-d10	102		70 - 120				06/09/11 09:59	06/10/11 02:39	1
4-Bromofluorobenzene (Surr)	96		70 - 120				06/09/11 09:59	06/10/11 02:39	1
Trifluorotoluene (Surr)	85		65 - 140				06/09/11 09:59	06/10/11 02:39	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
alpha-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
beta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
delta-BHC	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
4,4'-DDD	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
4,4'-DDE	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
4,4'-DDT	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Dieldrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endosulfan I	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endosulfan II	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endosulfan sulfate	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endrin	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endrin aldehyde	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Heptachlor	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Heptachlor epoxide	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Methoxychlor	ND		11		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Endrin ketone	ND		2.3		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Toxaphene	ND		110		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
alpha-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
gamma-Chlordane	ND		1.1		ug/Kg	*	06/07/11 09:42	06/15/11 17:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		49 - 123				06/07/11 09:42	06/15/11 17:33	1
DCB Decachlorobiphenyl	62		40 - 158				06/07/11 09:42	06/15/11 17:33	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-2-052611-1.0-2.0

Lab Sample ID: 580-26451-49

Date Collected: 05/26/11 16:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/06/11 15:03	06/07/11 16:47	1
Gasoline	ND		23		mg/Kg	☼	06/06/11 15:03	06/07/11 16:47	1
#2 Diesel (>C12-C24)	ND		58		mg/Kg	☼	06/06/11 15:03	06/07/11 16:47	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	106		50 - 150				06/06/11 15:03	06/07/11 16:47	1
4-Bromofluorobenzene (Surr)	95		50 - 150				06/06/11 15:03	06/07/11 16:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Lead	4.4		1.5		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Antimony	ND		3.0		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Cadmium	1.8		0.50		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Copper	20		0.99		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Manganese	270		0.99		mg/Kg	☼	06/10/11 13:06	06/10/11 19:04	1
Zinc	870		20		mg/Kg	☼	06/10/11 13:06	06/13/11 21:46	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.018		mg/Kg	☼	06/13/11 08:00	06/13/11 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%			06/03/11 10:48	1
Percent Moisture	18		0.10		%			06/03/11 10:48	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: TB

Lab Sample ID: 580-26451-50

Date Collected: 05/26/11 00:00

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chloromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Vinyl chloride	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Bromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Methylene Chloride	ND		15		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
2,2-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chlorobromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chloroform	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Benzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Trichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Dibromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Toluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Tetrachloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,3-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chlorodibromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Chlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Ethylbenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
o-Xylene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Styrene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Bromoform	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Isopropylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Bromobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
N-Propylbenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: TB

Lab Sample ID: 580-26451-50

Date Collected: 05/26/11 00:00

Matrix: Solid

Date Received: 05/31/11 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
n-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Hexachlorobutadiene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Naphthalene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Carbon disulfide	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Acetone	ND		15		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
2-Butanone	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 20:36	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	104		80 - 120				06/09/11 09:59	06/09/11 20:36	1
Toluene-d8 (Surr)	97		80 - 120				06/09/11 09:59	06/09/11 20:36	1
Ethylbenzene-d10	96		70 - 120				06/09/11 09:59	06/09/11 20:36	1
4-Bromofluorobenzene (Surr)	93		70 - 120				06/09/11 09:59	06/09/11 20:36	1
Trifluorotoluene (Surr)	108		65 - 140				06/09/11 09:59	06/09/11 20:36	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

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

Lab Sample ID: MB 580-87534/1-A
Matrix: Solid
Analysis Batch: 87535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87534

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Vinyl chloride	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Methylene Chloride	ND		15		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2,2-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorobromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloroform	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Benzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Trichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Dibromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Toluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Tetrachloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,3-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorodibromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Ethylbenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
o-Xylene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Styrene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromoform	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Isopropylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
N-Propylbenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

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

Lab Sample ID: MB 580-87534/1-A
Matrix: Solid
Analysis Batch: 87535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87534

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
n-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Hexachlorobutadiene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Naphthalene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Carbon disulfide	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Acetone	ND		15		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2-Butanone	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Fluorobenzene (Surr)	100		80 - 120	06/08/11 17:34	06/08/11 17:51	1
Toluene-d8 (Surr)	104		80 - 120	06/08/11 17:34	06/08/11 17:51	1
Ethylbenzene-d10	105		70 - 120	06/08/11 17:34	06/08/11 17:51	1
4-Bromofluorobenzene (Surr)	108		70 - 120	06/08/11 17:34	06/08/11 17:51	1
Trifluorotoluene (Surr)	141	X	65 - 140	06/08/11 17:34	06/08/11 17:51	1

Lab Sample ID: LCS 580-87534/2-A
Matrix: Solid
Analysis Batch: 87535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87534

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	40.0	37.0		ug/Kg		93	65 - 135
Benzene	40.0	43.7		ug/Kg		109	75 - 125
Trichloroethene	40.0	44.5		ug/Kg		111	75 - 125
Toluene	40.0	44.6		ug/Kg		112	70 - 125
Chlorobenzene	40.0	45.8		ug/Kg		115	75 - 125

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 120
Ethylbenzene-d10	110		70 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Trifluorotoluene (Surr)	120		65 - 140

Lab Sample ID: LCSD 580-87534/3-A
Matrix: Solid
Analysis Batch: 87535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87534

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
1,1-Dichloroethene	40.0	33.5		ug/Kg		84	65 - 135	10	30
Benzene	40.0	38.9		ug/Kg		97	75 - 125	12	30
Trichloroethene	40.0	39.4		ug/Kg		99	75 - 125	12	30

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

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

Lab Sample ID: LCSD 580-87534/3-A

Matrix: Solid

Analysis Batch: 87535

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87534

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Added	Result	Qualifier						
Toluene	40.0	39.1		ug/Kg		98	70 - 125	13	30
Chlorobenzene	40.0	41.2		ug/Kg		103	75 - 125	11	30

Surrogate	LCSD	LCSD	Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120
Ethylbenzene-d10	106		70 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Trifluorotoluene (Surr)	107		65 - 140

Lab Sample ID: MB 580-87581/1-A

Matrix: Solid

Analysis Batch: 87638

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87581

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chloromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Vinyl chloride	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Bromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Methylene Chloride	ND		15		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
2,2-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chlorobromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chloroform	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Benzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Trichloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Dibromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Toluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Tetrachloroethene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,3-Dichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chlorodibromomethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Chlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Ethylbenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

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

Lab Sample ID: MB 580-87581/1-A

Matrix: Solid

Analysis Batch: 87638

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87581

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
o-Xylene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Styrene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Bromoform	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Isopropylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Bromobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
N-Propylbenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
n-Butylbenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Hexachlorobutadiene	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Naphthalene	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Carbon disulfide	ND		1.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
Acetone	ND		15		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1
2-Butanone	ND		5.0		ug/Kg		06/09/11 09:59	06/09/11 19:24	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Fluorobenzene (Surr)	103		80 - 120	06/09/11 09:59	06/09/11 19:24	1
Toluene-d8 (Surr)	98		80 - 120	06/09/11 09:59	06/09/11 19:24	1
Ethylbenzene-d10	111		70 - 120	06/09/11 09:59	06/09/11 19:24	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/09/11 09:59	06/09/11 19:24	1
Trifluorotoluene (Surr)	102		65 - 140	06/09/11 09:59	06/09/11 19:24	1

Lab Sample ID: LCS 580-87581/2-A

Matrix: Solid

Analysis Batch: 87638

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	40.0	40.1		ug/Kg		100	75 - 125
Trichloroethene	40.0	39.1		ug/Kg		98	75 - 125
Toluene	40.0	39.0		ug/Kg		98	70 - 125
Chlorobenzene	40.0	39.4		ug/Kg		99	75 - 125

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

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

Lab Sample ID: LCS 580-87581/2-A

Matrix: Solid

Analysis Batch: 87638

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87581

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	104		80 - 120
Toluene-d8 (Surr)	102		80 - 120
Ethylbenzene-d10	104		70 - 120
4-Bromofluorobenzene (Surr)	94		70 - 120
Trifluorotoluene (Surr)	108		65 - 140

Lab Sample ID: LCSD 580-87581/3-A

Matrix: Solid

Analysis Batch: 87638

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87581

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
1,1-Dichloroethene	40.0	38.3		ug/Kg		96	65 - 135	4	30	
Benzene	40.0	40.7		ug/Kg		102	75 - 125	1	30	
Trichloroethene	40.0	39.1		ug/Kg		98	75 - 125	0	30	
Toluene	40.0	37.6		ug/Kg		94	70 - 125	4	30	
Chlorobenzene	40.0	38.6		ug/Kg		97	75 - 125	2	30	

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	97		80 - 120
Ethylbenzene-d10	104		70 - 120
4-Bromofluorobenzene (Surr)	98		70 - 120
Trifluorotoluene (Surr)	97		65 - 140

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-87157/1-A

Matrix: Solid

Analysis Batch: 88098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87157

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
alpha-BHC	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
beta-BHC	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
delta-BHC	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
4,4'-DDD	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
4,4'-DDE	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
4,4'-DDT	ND	^	2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Dieldrin	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endosulfan I	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endosulfan II	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endosulfan sulfate	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endrin	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endrin aldehyde	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Heptachlor	ND	^	1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Methoxychlor	ND		10		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
Endrin ketone	ND		2.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 580-87157/1-A

Matrix: Solid

Analysis Batch: 88098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87157

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toxaphene	ND		100		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
alpha-Chlordane	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1
gamma-Chlordane	ND		1.0		ug/Kg		06/03/11 09:27	06/16/11 14:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	97		49 - 123	06/03/11 09:27	06/16/11 14:39	1
DCB Decachlorobiphenyl	87	^	40 - 158	06/03/11 09:27	06/16/11 14:39	1

Lab Sample ID: LCS 580-87157/2-A

Matrix: Solid

Analysis Batch: 88098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Aldrin	20.0	20.1		ug/Kg		101	53 - 126	
alpha-BHC	20.0	18.9		ug/Kg		95	41 - 128	
beta-BHC	20.0	17.3		ug/Kg		87	48 - 121	
delta-BHC	20.0	15.9		ug/Kg		80	22 - 153	
gamma-BHC (Lindane)	20.0	20.4		ug/Kg		102	50 - 127	
4,4'-DDD	20.0	18.9		ug/Kg		95	44 - 141	
4,4'-DDE	20.0	18.8		ug/Kg		94	47 - 140	
4,4'-DDT	20.0	13.8	^	ug/Kg		69	34 - 159	
Dieldrin	20.0	19.1		ug/Kg		96	53 - 134	
Endosulfan I	20.0	18.7		ug/Kg		94	52 - 122	
Endosulfan II	20.0	17.6		ug/Kg		88	53 - 132	
Endosulfan sulfate	20.0	16.7		ug/Kg		84	42 - 128	
Endrin	20.0	19.0		ug/Kg		95	46 - 138	
Endrin aldehyde	20.0	17.4		ug/Kg		87	12 - 179	
Heptachlor	20.0	23.6	^	ug/Kg		118	50 - 130	
Heptachlor epoxide	20.0	18.8		ug/Kg		94	49 - 123	
Methoxychlor	20.0	16.7		ug/Kg		84	46 - 154	
Endrin ketone	20.0	18.1		ug/Kg		91	45 - 127	
alpha-Chlordane	20.0	18.2		ug/Kg		91	46 - 118	
gamma-Chlordane	20.0	18.4		ug/Kg		92	49 - 122	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	91		49 - 123
DCB Decachlorobiphenyl	74	^	40 - 158

Lab Sample ID: MB 580-87349/1-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87349

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
alpha-BHC	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
beta-BHC	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
delta-BHC	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
4,4'-DDD	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 580-87349/1-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87349

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDE	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
4,4'-DDT	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Dieldrin	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endosulfan I	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endosulfan II	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endosulfan sulfate	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endrin	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endrin aldehyde	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Heptachlor	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Methoxychlor	ND		10		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Endrin ketone	ND		2.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
Toxaphene	ND		100		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
alpha-Chlordane	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1
gamma-Chlordane	ND		1.0		ug/Kg		06/07/11 09:42	06/15/11 10:04	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	87		49 - 123	06/07/11 09:42	06/15/11 10:04	1
DCB Decachlorobiphenyl	77		40 - 158	06/07/11 09:42	06/15/11 10:04	1

Lab Sample ID: LCS 580-87349/2-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87349

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aldrin	20.0	20.7		ug/Kg		104	53 - 126
alpha-BHC	20.0	20.2		ug/Kg		101	41 - 128
beta-BHC	20.0	20.1		ug/Kg		101	48 - 121
delta-BHC	20.0	18.8		ug/Kg		94	22 - 153
gamma-BHC (Lindane)	20.0	19.5		ug/Kg		98	50 - 127
4,4'-DDD	20.0	20.1		ug/Kg		101	44 - 141
4,4'-DDE	20.0	20.7		ug/Kg		104	47 - 140
4,4'-DDT	20.0	21.6		ug/Kg		108	34 - 159
Dieldrin	20.0	20.4		ug/Kg		102	53 - 134
Endosulfan I	20.0	20.0		ug/Kg		100	52 - 122
Endosulfan II	20.0	19.6		ug/Kg		98	53 - 132
Endosulfan sulfate	20.0	18.9		ug/Kg		95	42 - 128
Endrin	20.0	21.4		ug/Kg		107	46 - 138
Endrin aldehyde	20.0	20.0		ug/Kg		100	12 - 179
Heptachlor	20.0	22.3		ug/Kg		112	50 - 130
Heptachlor epoxide	20.0	20.2		ug/Kg		101	49 - 123
Methoxychlor	20.0	22.3		ug/Kg		112	46 - 154
Endrin ketone	20.0	19.6		ug/Kg		98	45 - 127
alpha-Chlordane	20.0	20.0		ug/Kg		100	46 - 118
gamma-Chlordane	20.0	19.9		ug/Kg		100	49 - 122

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	92		49 - 123
DCB Decachlorobiphenyl	82		40 - 158

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26451-26 MS

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: H-TP3-052611-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87349

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Aldrin	ND		20.9	12.2		ug/Kg	*	59	53 - 126	
alpha-BHC	ND		20.9	13.7		ug/Kg	*	66	41 - 128	
beta-BHC	ND		20.9	12.1		ug/Kg	*	58	48 - 121	
delta-BHC	ND		20.9	11.6		ug/Kg	*	56	22 - 153	
gamma-BHC (Lindane)	ND		20.9	12.7		ug/Kg	*	61	50 - 127	
4,4'-DDD	3.0		20.9	16.4		ug/Kg	*	73	44 - 141	
4,4'-DDE	4.4		20.9	18.4		ug/Kg	*	73	47 - 140	
4,4'-DDT	3.1		20.9	18.8		ug/Kg	*	66	34 - 159	
Dieldrin	3.0		20.9	16.8		ug/Kg	*	61	53 - 134	
Endosulfan I	ND		20.9	14.5		ug/Kg	*	70	52 - 122	
Endosulfan II	ND		20.9	13.1		ug/Kg	*	63	53 - 132	
Endosulfan sulfate	ND		20.9	12.7		ug/Kg	*	61	42 - 128	
Endrin	ND		20.9	16.2		ug/Kg	*	78	46 - 138	
Endrin aldehyde	ND		20.9	12.1		ug/Kg	*	58	12 - 179	
Heptachlor	ND		20.9	15.0		ug/Kg	*	72	50 - 130	
Heptachlor epoxide	ND		20.9	14.8		ug/Kg	*	70	49 - 123	
Methoxychlor	ND		20.9	17.8		ug/Kg	*	86	46 - 154	
Endrin ketone	ND		20.9	14.4		ug/Kg	*	69	45 - 127	
alpha-Chlordane	3.2		20.9	16.3		ug/Kg	*	71	46 - 118	
gamma-Chlordane	3.8		20.9	17.1		ug/Kg	*	76	49 - 122	
		MS MS								
Surrogate	% Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	60		49 - 123							
DCB Decachlorobiphenyl	50		40 - 158							

Lab Sample ID: 580-26451-26 MSD

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: H-TP3-052611-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87349

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aldrin	ND		21.3	12.6		ug/Kg	*	59	53 - 126	8	30	
alpha-BHC	ND		21.3	13.9		ug/Kg	*	66	41 - 128	5	30	
beta-BHC	ND		21.3	12.5		ug/Kg	*	59	48 - 121	4	30	
delta-BHC	ND		21.3	12.0		ug/Kg	*	57	22 - 153	2	30	
gamma-BHC (Lindane)	ND		21.3	13.0		ug/Kg	*	61	50 - 127	17	30	
4,4'-DDD	3.0		21.3	17.5	F	ug/Kg	*	68	44 - 141	35	30	
4,4'-DDE	4.4		21.3	18.6		ug/Kg	*	67	47 - 140	19	30	
4,4'-DDT	3.1		21.3	19.5		ug/Kg	*	77	34 - 159	20	30	
Dieldrin	3.0		21.3	17.5		ug/Kg	*	68	53 - 134	9	30	
Endosulfan I	ND		21.3	15.0	F	ug/Kg	*	71	52 - 122	57	30	
Endosulfan II	ND		21.3	14.3		ug/Kg	*	67	53 - 132	20	30	
Endosulfan sulfate	ND		21.3	13.7		ug/Kg	*	65	42 - 128	10	30	
Endrin	ND		21.3	16.8		ug/Kg	*	79	46 - 138	12	30	
Endrin aldehyde	ND		21.3	13.1		ug/Kg	*	62	12 - 179	24	30	
Heptachlor	ND		21.3	15.3		ug/Kg	*	72	50 - 130	16	30	
Heptachlor epoxide	ND		21.3	15.1		ug/Kg	*	67	49 - 123	28	30	
Methoxychlor	ND		21.3	18.8		ug/Kg	*	89	46 - 154	11	30	
Endrin ketone	ND		21.3	15.8		ug/Kg	*	74	45 - 127	9	30	
alpha-Chlordane	3.2		21.3	17.1	F	ug/Kg	*	65	46 - 118	54	30	

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26451-26 MSD

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: H-TP3-052611-0.0-0.5

Prep Type: Total/NA

Prep Batch: 87349

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
gamma-Chlordane	3.8		21.3	17.7	F	ug/Kg	☼	65	49 - 122	45	30
MSD MSD											
Surrogate	% Recovery	Qualifier	Limits								
Tetrachloro-m-xylene	58		49 - 123								
DCB Decachlorobiphenyl	51		40 - 158								

Lab Sample ID: MB 580-88316/1-A

Matrix: Solid

Analysis Batch: 88444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88316

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
alpha-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
beta-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
delta-BHC	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDD	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDE	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
4,4'-DDT	ND	^	2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Dieldrin	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan I	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan II	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endosulfan sulfate	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin aldehyde	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Heptachlor	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Methoxychlor	ND		10		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
Endrin ketone	ND		2.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
alpha-Chlordane	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
gamma-Chlordane	ND		1.0		ug/Kg		06/20/11 09:58	06/21/11 17:33	1
MB MB									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		49 - 123				06/20/11 09:58	06/21/11 17:33	1
DCB Decachlorobiphenyl	110		40 - 158				06/20/11 09:58	06/21/11 17:33	1

Lab Sample ID: MB 580-88316/1-A

Matrix: Solid

Analysis Batch: 88541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88316

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toxaphene	ND		100		ug/Kg		06/20/11 09:58	06/22/11 12:27	1
MB MB									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		49 - 123				06/20/11 09:58	06/22/11 12:27	1
DCB Decachlorobiphenyl	99		40 - 158				06/20/11 09:58	06/22/11 12:27	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-88316/2-A
Matrix: Solid
Analysis Batch: 88444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88316

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aldrin	20.0	20.3		ug/Kg		102	53 - 126
alpha-BHC	20.0	19.9		ug/Kg		100	41 - 128
beta-BHC	20.0	19.7		ug/Kg		99	48 - 121
delta-BHC	20.0	19.9		ug/Kg		100	22 - 153
gamma-BHC (Lindane)	20.0	19.4		ug/Kg		97	50 - 127
4,4'-DDD	20.0	24.2		ug/Kg		121	44 - 141
4,4'-DDE	20.0	21.2		ug/Kg		106	47 - 140
4,4'-DDT	20.0	13.4	^	ug/Kg		67	34 - 159
Dieldrin	20.0	20.9		ug/Kg		105	53 - 134
Endosulfan I	20.0	20.3		ug/Kg		102	52 - 122
Endosulfan II	20.0	20.7		ug/Kg		104	53 - 132
Endosulfan sulfate	20.0	20.3		ug/Kg		102	42 - 128
Endrin	20.0	21.7		ug/Kg		109	46 - 138
Endrin aldehyde	20.0	21.2		ug/Kg		106	12 - 179
Heptachlor	20.0	20.7		ug/Kg		104	50 - 130
Heptachlor epoxide	20.0	20.7		ug/Kg		104	49 - 123
Methoxychlor	20.0	15.5		ug/Kg		78	46 - 154
Endrin ketone	20.0	20.7		ug/Kg		104	45 - 127
alpha-Chlordane	20.0	20.3		ug/Kg		102	46 - 118
gamma-Chlordane	20.0	20.4		ug/Kg		102	49 - 122

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	103		49 - 123
DCB Decachlorobiphenyl	111		40 - 158

Lab Sample ID: LCS 580-88316/2-A
Matrix: Solid
Analysis Batch: 88541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 88316

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	113		49 - 123
DCB Decachlorobiphenyl	105		40 - 158

Lab Sample ID: 580-26451-1 MS
Matrix: Solid
Analysis Batch: 88444

Client Sample ID: G-TP1-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 88316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	% Rec	% Rec. Limits
				Result	Qualifier				
Aldrin	ND	H	21.8	18.7	H	ug/Kg	☼	85	53 - 126
alpha-BHC	ND	H	21.8	20.8	H	ug/Kg	☼	95	41 - 128
beta-BHC	ND	H	21.8	19.3	H	ug/Kg	☼	88	48 - 121
delta-BHC	ND	H	21.8	19.8	H	ug/Kg	☼	90	22 - 153
gamma-BHC (Lindane)	ND	H	21.8	19.4	H	ug/Kg	☼	89	50 - 127
4,4'-DDD	ND	H	21.8	26.7	H	ug/Kg	☼	123	44 - 141
4,4'-DDE	7.3	H	21.8	29.6	H	ug/Kg	☼	102	47 - 140
4,4'-DDT	6.2	H ^	21.8	17.8	H ^	ug/Kg	☼	53	34 - 159
Dieldrin	ND	H	21.8	20.8	H	ug/Kg	☼	95	53 - 134
Endosulfan I	ND	H	21.8	20.4	H	ug/Kg	☼	93	52 - 122
Endosulfan II	ND	H	21.8	20.7	H	ug/Kg	☼	95	53 - 132

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26451-1 MS

Matrix: Solid

Analysis Batch: 88444

Client Sample ID: G-TP1-052511-0.0-0.5

Prep Type: Total/NA

Prep Batch: 88316

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Endosulfan sulfate	ND	H	21.8	19.2	H	ug/Kg	☼	88	42 - 128	
Endrin	6.6	H	21.8	26.7	H	ug/Kg	☼	92	46 - 138	
Endrin aldehyde	ND	H	21.8	21.4	H	ug/Kg	☼	98	12 - 179	
Heptachlor	ND	H	21.8	19.6	H	ug/Kg	☼	90	50 - 130	
Heptachlor epoxide	ND	H	21.8	27.7	H F	ug/Kg	☼	127	49 - 123	
Methoxychlor	ND	H	21.8	17.0	H	ug/Kg	☼	78	46 - 154	
Endrin ketone	ND	H	21.8	20.8	H	ug/Kg	☼	96	45 - 127	
alpha-Chlordane	ND	H	21.8	19.5	H	ug/Kg	☼	89	46 - 118	
gamma-Chlordane	1.8	H	21.8	21.7	H	ug/Kg	☼	91	49 - 122	

Surrogate	MS	MS	Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	93		49 - 123
DCB Decachlorobiphenyl	83		40 - 158

Lab Sample ID: 580-26451-1 MS

Matrix: Solid

Analysis Batch: 88541

Client Sample ID: G-TP1-052511-0.0-0.5

Prep Type: Total/NA

Prep Batch: 88316

Surrogate	MS	MS	Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	104		49 - 123
DCB Decachlorobiphenyl	61		40 - 158

Lab Sample ID: 580-26451-1 MSD

Matrix: Solid

Analysis Batch: 88444

Client Sample ID: G-TP1-052511-0.0-0.5

Prep Type: Total/NA

Prep Batch: 88316

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aldrin	ND	H	22.1	20.2	H	ug/Kg	☼	92	53 - 126	8	30	
alpha-BHC	ND	H	22.1	21.3	H	ug/Kg	☼	97	41 - 128	2	30	
beta-BHC	ND	H	22.1	20.5	H	ug/Kg	☼	93	48 - 121	6	30	
delta-BHC	ND	H	22.1	21.3	H	ug/Kg	☼	97	22 - 153	8	30	
gamma-BHC (Lindane)	ND	H	22.1	20.2	H	ug/Kg	☼	92	50 - 127	4	30	
4,4'-DDD	ND	H	22.1	29.5	H	ug/Kg	☼	134	44 - 141	10	30	
4,4'-DDE	7.3	H	22.1	35.0	H	ug/Kg	☼	125	47 - 140	17	30	
4,4'-DDT	6.2	H ^	22.1	19.4	H ^	ug/Kg	☼	60	34 - 159	8	30	
Dieldrin	ND	H	22.1	22.7	H	ug/Kg	☼	103	53 - 134	8	30	
Endosulfan I	ND	H	22.1	21.6	H	ug/Kg	☼	98	52 - 122	6	30	
Endosulfan II	ND	H	22.1	21.7	H	ug/Kg	☼	98	53 - 132	4	30	
Endosulfan sulfate	ND	H	22.1	20.8	H	ug/Kg	☼	94	42 - 128	8	30	
Endrin	6.6	H	22.1	30.4	H	ug/Kg	☼	108	46 - 138	13	30	
Endrin aldehyde	ND	H	22.1	22.9	H	ug/Kg	☼	104	12 - 179	7	30	
Heptachlor	ND	H	22.1	20.6	H	ug/Kg	☼	93	50 - 130	5	30	
Heptachlor epoxide	ND	H	22.1	30.4	H F	ug/Kg	☼	138	49 - 123	9	30	
Methoxychlor	ND	H	22.1	17.9	H	ug/Kg	☼	81	46 - 154	5	30	
Endrin ketone	ND	H	22.1	22.2	H	ug/Kg	☼	101	45 - 127	6	30	
alpha-Chlordane	ND	H	22.1	20.7	H	ug/Kg	☼	94	46 - 118	6	30	
gamma-Chlordane	1.8	H	22.1	23.6	H	ug/Kg	☼	99	49 - 122	8	30	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 580-26451-1 MSD
Matrix: Solid
Analysis Batch: 88444

Client Sample ID: G-TP1-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 88316

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	93		49 - 123
DCB Decachlorobiphenyl	89		40 - 158

Lab Sample ID: 580-26451-1 MSD
Matrix: Solid
Analysis Batch: 88541

Client Sample ID: G-TP1-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 88316

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	110		49 - 123
DCB Decachlorobiphenyl	70		40 - 158

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-87296/1-A
Matrix: Solid
Analysis Batch: 87378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87296

Analyte	MB MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Motor Oil	ND		100		mg/Kg		06/06/11 15:03	06/07/11 13:49	1
Gasoline	ND		20		mg/Kg		06/06/11 15:03	06/07/11 13:49	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/06/11 15:03	06/07/11 13:49	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier							
o-Terphenyl	105		50 - 150				06/06/11 15:03	06/07/11 13:49	1
4-Bromofluorobenzene (Surr)	101		50 - 150				06/06/11 15:03	06/07/11 13:49	1

Lab Sample ID: 580-26451-44 DU
Matrix: Solid
Analysis Batch: 87378

Client Sample ID: G-WETSOIL-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87296

Analyte	Sample Sample		DU	DU	Unit	D	RPD	Limit
	Result	Qualifier						
Motor Oil	ND		ND		mg/Kg	☼	NC	35
Gasoline	ND		ND		mg/Kg	☼	NC	35
#2 Diesel (>C12-C24)	ND		ND		mg/Kg	☼	NC	35
Surrogate	DU DU		Limits					
	% Recovery	Qualifier						
o-Terphenyl	106		50 - 150					
4-Bromofluorobenzene (Surr)	99		50 - 150					

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-87692/24-A
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87692

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		06/10/11 13:06	06/10/11 16:59	1
Lead	ND		1.5		mg/Kg		06/10/11 13:06	06/10/11 16:59	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 580-87692/24-A
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87692

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		3.0		mg/Kg		06/10/11 13:06	06/10/11 16:59	1
Cadmium	ND		0.50		mg/Kg		06/10/11 13:06	06/10/11 16:59	1
Copper	ND		1.0		mg/Kg		06/10/11 13:06	06/10/11 16:59	1
Manganese	ND		1.0		mg/Kg		06/10/11 13:06	06/10/11 16:59	1
Zinc	ND		2.0		mg/Kg		06/10/11 13:06	06/10/11 16:59	1

Lab Sample ID: MB 580-87692/24-A
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87692

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	ND		1.0		mg/Kg		06/10/11 13:06	06/14/11 15:16	1
Zinc	ND		2.0		mg/Kg		06/10/11 13:06	06/14/11 15:16	1

Lab Sample ID: LCS 580-87692/25-A
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Arsenic	200	197		mg/Kg		98	80 - 120	
Lead	50.0	50.3		mg/Kg		101	80 - 120	
Antimony	150	141		mg/Kg		94	80 - 120	
Cadmium	5.00	5.02		mg/Kg		100	80 - 120	
Copper	25.0	24.1		mg/Kg		96	80 - 120	
Manganese	50.0	51.1		mg/Kg		102	80 - 120	
Zinc	50.0	48.4		mg/Kg		97	80 - 120	

Lab Sample ID: LCS 580-87692/25-A
Matrix: Solid
Analysis Batch: 87875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Copper	25.0	25.1		mg/Kg		100	80 - 120	
Zinc	50.0	52.6		mg/Kg		105	80 - 120	

Lab Sample ID: LCS 580-87692/25-A
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Copper	25.0	25.6		mg/Kg		103	80 - 120	
Zinc	50.0	51.0		mg/Kg		102	80 - 120	

Lab Sample ID: LCSD 580-87692/26-A
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Arsenic	200	192		mg/Kg		96	80 - 120	3	20	
Lead	50.0	49.3		mg/Kg		99	80 - 120	2	20	
Antimony	150	139		mg/Kg		92	80 - 120	2	20	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-87692/26-A
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike		LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Added	Result	Qualifier	Result				Limits	RPD		
Cadmium	5.00	4.88			mg/Kg		98	80 - 120	3		20
Copper	25.0	24.4			mg/Kg		98	80 - 120	1		20
Manganese	50.0	51.3			mg/Kg		103	80 - 120	0		20
Zinc	50.0	48.5			mg/Kg		97	80 - 120	0		20

Lab Sample ID: LCSD 580-87692/26-A
Matrix: Solid
Analysis Batch: 87875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike		LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Added	Result	Qualifier	Result				Limits	RPD		
Copper	25.0	24.2			mg/Kg		97	80 - 120	4		20
Zinc	50.0	50.4			mg/Kg		101	80 - 120	4		20

Lab Sample ID: LCSD 580-87692/26-A
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Spike		LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Added	Result	Qualifier	Result				Limits	RPD		
Copper	25.0	25.3			mg/Kg		101	80 - 120	1		20
Zinc	50.0	50.5			mg/Kg		101	80 - 120	1		20

Lab Sample ID: 580-26451-21 MS
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample Result	Sample Qualifier	Spike		MS		Unit	D	% Rec	% Rec.	
			Added	Result	Qualifier	Result				Qualifier	Limits
Arsenic	ND		162	129	F	mg/Kg	☼	79	80 - 120		
Lead	72		40.5	120		mg/Kg	☼	117	80 - 120		
Antimony	3.3		121	70.7	F	mg/Kg	☼	56	80 - 120		
Cadmium	1.0		4.05	4.35		mg/Kg	☼	82	80 - 120		
Manganese	440		40.5	553	4	mg/Kg	☼	282	80 - 120		

Lab Sample ID: 580-26451-21 MS
Matrix: Solid
Analysis Batch: 87875

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample Result	Sample Qualifier	Spike		MS		Unit	D	% Rec	% Rec.	
			Added	Result	Qualifier	Result				Qualifier	Limits
Copper	360		20.2	369	4	mg/Kg	☼	34	80 - 120		
Zinc	270		40.5	300	4	mg/Kg	☼	80	80 - 120		

Lab Sample ID: 580-26451-21 MS
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample Result	Sample Qualifier	Spike		MS		Unit	D	% Rec	% Rec.	
			Added	Result	Qualifier	Result				Qualifier	Limits
Copper	360		20.2	378	4	mg/Kg	☼	97	80 - 120		
Zinc	260		40.5	299	4	mg/Kg	☼	101	80 - 120		

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-26451-21 MSD
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	MSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Arsenic	ND		208	164	F	mg/Kg	☼	78	80 - 120	24	20	
Lead	72		51.9	139	F	mg/Kg	☼	129	80 - 120	15	20	
Antimony	3.3		156	93.4	F	mg/Kg	☼	58	80 - 120	28	20	
Cadmium	1.0		5.19	4.87	F	mg/Kg	☼	74	80 - 120	11	20	
Manganese	440		51.9	557	4	mg/Kg	☼	227	80 - 120	1	20	

Lab Sample ID: 580-26451-21 MSD
Matrix: Solid
Analysis Batch: 87875

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	MSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Copper	360		26.0	778	4 F	mg/Kg	☼	1604	80 - 120	71	20	
Zinc	270		51.9	319	4	mg/Kg	☼	99	80 - 120	6	20	

Lab Sample ID: 580-26451-21 MSD
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	MSD		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Copper	360		26.0	809	4 F	mg/Kg	☼	1737	80 - 120	73	20	
Zinc	260		51.9	322	4	mg/Kg	☼	123	80 - 120	7	20	

Lab Sample ID: 580-26451-21 DU
Matrix: Solid
Analysis Batch: 87876

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	DU		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Arsenic	ND		2.46	2.46		mg/Kg	☼		NC		20	
Lead	72		100	100	F	mg/Kg	☼			32	20	
Antimony	3.3		4.28	4.28		mg/Kg	☼			27	20	
Cadmium	1.0		1.83	1.83	F	mg/Kg	☼			57	20	
Manganese	440		490	490		mg/Kg	☼			11	20	

Lab Sample ID: 580-26451-21 DU
Matrix: Solid
Analysis Batch: 87875

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	DU		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Copper	360		446	446	F	mg/Kg	☼			21	20	
Zinc	270		276	276		mg/Kg	☼			3	20	

Lab Sample ID: 580-26451-21 DU
Matrix: Solid
Analysis Batch: 87938

Client Sample ID: H-TP1-052611-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87692

Analyte	Sample	Sample	Spike	DU		Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Copper	360		443	443	F	mg/Kg	☼			21	20	
Zinc	260		265	265		mg/Kg	☼			3	20	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 580-87759/21-A
Matrix: Solid
Analysis Batch: 87941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87759

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Lead	ND		1.5		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Antimony	ND		3.0		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Cadmium	ND		0.50		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Copper	ND		1.0		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Manganese	ND		1.0		mg/Kg		06/13/11 11:07	06/13/11 17:19	1
Zinc	ND		2.0		mg/Kg		06/13/11 11:07	06/13/11 17:19	1

Lab Sample ID: LCS 580-87759/22-A
Matrix: Solid
Analysis Batch: 87941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	194		mg/Kg		97	80 - 120	
Lead	50.0	51.1		mg/Kg		102	80 - 120	
Antimony	150	136		mg/Kg		91	80 - 120	
Cadmium	5.00	4.79		mg/Kg		96	80 - 120	
Copper	25.0	24.2		mg/Kg		97	80 - 120	
Manganese	50.0	53.1		mg/Kg		106	80 - 120	
Zinc	50.0	49.6		mg/Kg		99	80 - 120	

Lab Sample ID: LCSD 580-87759/23-A
Matrix: Solid
Analysis Batch: 87941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits	RPD	Limit	
Arsenic	200	196		mg/Kg		98	80 - 120	1	20	
Lead	50.0	51.6		mg/Kg		103	80 - 120	1	20	
Antimony	150	138		mg/Kg		92	80 - 120	1	20	
Cadmium	5.00	4.83		mg/Kg		97	80 - 120	1	20	
Copper	25.0	24.1		mg/Kg		96	80 - 120	0	20	
Manganese	50.0	52.9		mg/Kg		106	80 - 120	0	20	
Zinc	50.0	49.9		mg/Kg		100	80 - 120	1	20	

Lab Sample ID: LCSSRM 580-87759/24-A
Matrix: Solid
Analysis Batch: 87941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87759

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	109	120		mg/Kg		110	71.1 - 128.9	
Lead	152	180		mg/Kg		118	75.3 - 125.1	
Antimony	121	113		mg/Kg		93	21.0 - 251.6	
Cadmium	110	117		mg/Kg		107	73.2 - 126.8	
Copper	84.7	79.5		mg/Kg		94	73.2 - 126.8	
Manganese	443	524		mg/Kg		118	75.8 - 124.5	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 580-87759/24-A
Matrix: Solid
Analysis Batch: 87941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87759

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Zinc	299	329		mg/Kg		110	72.2 - 127.8	

Lab Sample ID: MB 580-87883/17-A
Matrix: Solid
Analysis Batch: 87977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87883

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Lead	ND		1.5		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Antimony	ND		3.0		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Cadmium	ND		0.50		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Copper	ND		1.0		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Manganese	ND		1.0		mg/Kg		06/14/11 10:32	06/14/11 18:00	1
Zinc	ND		2.0		mg/Kg		06/14/11 10:32	06/14/11 18:00	1

Lab Sample ID: LCS 580-87883/18-A
Matrix: Solid
Analysis Batch: 87977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	189		mg/Kg		95	80 - 120	
Lead	50.0	49.1		mg/Kg		98	80 - 120	
Antimony	150	141		mg/Kg		94	80 - 120	
Cadmium	5.00	4.69		mg/Kg		94	80 - 120	
Copper	25.0	23.8		mg/Kg		95	80 - 120	
Manganese	50.0	48.4		mg/Kg		97	80 - 120	
Zinc	50.0	45.8		mg/Kg		92	80 - 120	

Lab Sample ID: LCSD 580-87883/19-A
Matrix: Solid
Analysis Batch: 87977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87883

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits	RPD	Limit	
Arsenic	200	189		mg/Kg		95	80 - 120	0	20	
Lead	50.0	48.9		mg/Kg		98	80 - 120	1	20	
Antimony	150	142		mg/Kg		95	80 - 120	1	20	
Cadmium	5.00	4.71		mg/Kg		94	80 - 120	0	20	
Copper	25.0	24.0		mg/Kg		96	80 - 120	1	20	
Manganese	50.0	49.0		mg/Kg		98	80 - 120	1	20	
Zinc	50.0	46.0		mg/Kg		92	80 - 120	0	20	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-87690/22-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87690

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.017		mg/Kg		06/13/11 09:30	06/13/11 12:55	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 580-87690/23-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87690

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.167	0.178		mg/Kg		106	80 - 120	

Lab Sample ID: LCSD 580-87690/24-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87690

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	Limit	
Mercury	0.167	0.179		mg/Kg		107	80 - 120	1	20

Lab Sample ID: MB 580-87703/22-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87703

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.017		mg/Kg		06/13/11 09:00	06/13/11 12:03	1

Lab Sample ID: LCS 580-87703/23-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87703

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.167	0.179		mg/Kg		107	80 - 120	

Lab Sample ID: LCSD 580-87703/24-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87703

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	Limit	
Mercury	0.167	0.182		mg/Kg		109	80 - 120	1	20

Lab Sample ID: 580-26451-14 MS
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: M-TP2-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	
Mercury	0.26		0.177	0.432		mg/Kg	✱	99	80 - 120	

Lab Sample ID: 580-26451-14 MSD
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: M-TP2-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	RPD
Mercury	0.26		0.169	0.423		mg/Kg	✱	98	80 - 120	2

Lab Sample ID: 580-26451-14 DU
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: M-TP2-052511-0.0-0.5
Prep Type: Total/NA
Prep Batch: 87703

Analyte	Sample Result	Sample Qualifier	Spike Added	DU		Unit	D	RPD	RPD	
				Result	Qualifier				Limit	
Mercury	0.26			0.390	F	mg/Kg	✱	41		20

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 580-87711/21-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87711

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.017		mg/Kg		06/13/11 08:00	06/13/11 11:08	1

Lab Sample ID: LCS 580-87711/22-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits

Lab Sample ID: LCSD 580-87711/23-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87711

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit

Method: Moisture - Percent Moisture

Lab Sample ID: 580-26451-1 DU
Matrix: Solid
Analysis Batch: 87169

Client Sample ID: G-TP1-052511-0.0-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13		12		%		8	20

Lab Sample ID: 580-26451-46 DU
Matrix: Solid
Analysis Batch: 87170

Client Sample ID: E-WETSOIL-052611-0.0-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	49		48		%		2	20

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP1-052511-0.0-0.5

Lab Sample ID: 580-26451-1

Date Collected: 05/25/11 07:40

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88444	06/21/11 18:31	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 13:25	CM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:25	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:02	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: G-TP1-052511-2.0-2.5

Lab Sample ID: 580-26451-2

Date Collected: 05/25/11 07:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88444	06/21/11 19:29	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 14:24	CM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		20	87796	06/13/11 13:54	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:07	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: G-TP2-052511-0.0-0.5

Lab Sample ID: 580-26451-3

Date Collected: 05/25/11 08:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88444	06/21/11 19:49	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 14:43	CM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:29	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		1	87938	06/14/11 16:04	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:22	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: G-TP2-052511-2.0-2.5

Lab Sample ID: 580-26451-4

Date Collected: 05/25/11 08:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-TP2-052511-2.0-2.5

Lab Sample ID: 580-26451-4

Date Collected: 05/25/11 08:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8081A		1	88444	06/21/11 20:08	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 15:02	CM	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: G-TP3-052511-0.0-0.5

Lab Sample ID: 580-26451-5

Date Collected: 05/25/11 08:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			88316	06/20/11 09:58	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88444	06/21/11 20:28	MAM	TAL SEA
Total/NA	Analysis	8081A		1	88541	06/22/11 15:22	CM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:31	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		10	87938	06/14/11 16:09	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:26	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: G-TP3-052511-2.0-2.5

Lab Sample ID: 580-26451-6

Date Collected: 05/25/11 08:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:33	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		10	87938	06/14/11 16:13	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:31	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: G-TP3-052511-3.5-4.0

Lab Sample ID: 580-26451-7

Date Collected: 05/25/11 09:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 17:11	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-TP1-052511-4.5

Lab Sample ID: 580-26451-8

Date Collected: 05/25/11 10:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:35	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		20	87938	06/14/11 16:17	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:36	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: E-TP2-052511-3.0

Lab Sample ID: 580-26451-9

Date Collected: 05/25/11 10:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:40	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		20	87938	06/14/11 16:21	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:41	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: M-TP1-052511-0.0-0.5

Lab Sample ID: 580-26451-10

Date Collected: 05/25/11 12:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 17:30	MAM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:42	FCW	TAL SEA
Total/NA	Prep	3050B			87759	06/13/11 11:07	ZF	TAL SEA
Total/NA	Analysis	6010B		5	87938	06/14/11 16:25	SP	TAL SEA
Total/NA	Analysis	6010B		1	87941	06/13/11 19:45	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: M-TP1-052511-3.0-3.5

Lab Sample ID: 580-26451-11

Date Collected: 05/25/11 12:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 17:49	MAM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:44	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 19:23	SP	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: M-TP1-052511-3.0-3.5

Lab Sample ID: 580-26451-11

Date Collected: 05/25/11 12:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		10	87977	06/14/11 19:29	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: M-TP1.2-052511-0.0-0.5

Lab Sample ID: 580-26451-12

Date Collected: 05/25/11 13:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 19:07	MAM	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:45	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 19:35	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: M-TP2-052511-0.0-0.5

Lab Sample ID: 580-26451-14

Date Collected: 05/25/11 14:15

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 19:27	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:08	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 19:48	SP	TAL SEA
Total/NA	Analysis	6010B		10	87977	06/14/11 19:54	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: M-TP2-052511-3.5-4.0

Lab Sample ID: 580-26451-15

Date Collected: 05/25/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 19:46	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: D-TP1-052511-4.5

Lab Sample ID: 580-26451-16

Date Collected: 05/25/11 15:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 20:06	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:16	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 20:21	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: D-TP1-052511-5.5

Lab Sample ID: 580-26451-17

Date Collected: 05/25/11 15:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 55.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 20:25	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:18	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 20:34	SP	TAL SEA
Total/NA	Analysis	6010B		10	87977	06/14/11 20:40	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: J-TP3-052511-0.5-1.0

Lab Sample ID: 580-26451-18

Date Collected: 05/25/11 16:40

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 20:44	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: J-TP3-052511-1.5-2.0

Lab Sample ID: 580-26451-19

Date Collected: 05/25/11 16:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:19	FCW	TAL SEA
Total/NA	Prep	3050B			87883	06/14/11 10:32	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87977	06/14/11 20:47	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: J-TP3-052511-3.5-4.0

Lab Sample ID: 580-26451-20

Date Collected: 05/25/11 16:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 61.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 21:04	MAM	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: H-TP1-052611-0.0-0.5

Lab Sample ID: 580-26451-21

Date Collected: 05/26/11 07:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 21:24	SK	TAL SEA
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 21:23	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:25	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 20:22	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:14	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: H-TP1-052611-3.5-4.0

Lab Sample ID: 580-26451-22

Date Collected: 05/26/11 07:10

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 21:49	SK	TAL SEA
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 21:43	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:27	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 20:44	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:41	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: H-TP2-052611-1.0-1.5

Lab Sample ID: 580-26451-23

Date Collected: 05/26/11 08:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 22:13	SK	TAL SEA
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP2-052611-1.0-1.5

Lab Sample ID: 580-26451-23

Date Collected: 05/26/11 08:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8081A		1	88098	06/16/11 22:02	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:28	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 20:47	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:45	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: H-TP2-052611-2.0-2.5

Lab Sample ID: 580-26451-24

Date Collected: 05/26/11 08:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 00:37	SK	TAL SEA
Total/NA	Prep	3550B			87157	06/03/11 09:27	KKW	TAL SEA
Total/NA	Analysis	8081A		1	88098	06/16/11 23:20	MAM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:30	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 20:50	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:49	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87158	06/03/11 09:31	KKW	TAL SEA

Client Sample ID: H-TP3-052611-0.0-0.5

Lab Sample ID: 580-26451-26

Date Collected: 05/26/11 09:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 01:01	SK	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 10:42	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:32	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 20:53	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:53	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: H-TP3-052611-3.5-4.0

Lab Sample ID: 580-26451-28

Date Collected: 05/26/11 09:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 22:37	SK	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 11:41	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:33	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 20:56	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 17:58	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: D-TP3-052611-4.5

Lab Sample ID: 580-26451-29

Date Collected: 05/26/11 10:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 12:00	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:35	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 21:00	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:02	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: D-TP3.2-052611-4.5

Lab Sample ID: 580-26451-30

Date Collected: 05/26/11 10:25

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 12:20	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:37	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 21:03	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:06	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP1-052611-5.0

Lab Sample ID: 580-26451-32

Date Collected: 05/26/11 11:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 12:39	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:38	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 21:06	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:10	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: C-TP2-052611-8.0

Lab Sample ID: 580-26451-33

Date Collected: 05/26/11 11:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 12:58	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:40	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 21:09	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:14	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: C-TP3-052611-4.5

Lab Sample ID: 580-26451-34

Date Collected: 05/26/11 13:45

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 14:38	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:45	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87875	06/13/11 21:18	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:26	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: C-TP3.2-052611-4.5

Lab Sample ID: 580-26451-35

Date Collected: 05/26/11 13:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 14:58	CM	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: C-TP3.2-052611-4.5

Lab Sample ID: 580-26451-35

Date Collected: 05/26/11 13:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:47	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87875	06/13/11 21:21	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:30	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: B-TP1-052611-6.5

Lab Sample ID: 580-26451-36

Date Collected: 05/26/11 13:05

Matrix: Solid

Date Received: 05/31/11 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/08/11 22:42	SK	TAL SEA

Client Sample ID: B-TP1.2-052611-6.5

Lab Sample ID: 580-26451-37

Date Collected: 05/26/11 13:10

Matrix: Solid

Date Received: 05/31/11 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/08/11 23:06	SK	TAL SEA

Client Sample ID: B-TP1-052611-6.0

Lab Sample ID: 580-26451-39

Date Collected: 05/26/11 13:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 01:26	SK	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: B-TP2-052611-5.5

Lab Sample ID: 580-26451-41

Date Collected: 05/26/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 23:01	SK	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 15:17	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:49	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87875	06/13/11 21:24	SP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: B-TP2-052611-5.5

Lab Sample ID: 580-26451-41

Date Collected: 05/26/11 14:20

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	87876	06/10/11 18:34	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: B-TP3-052611-5.5

Lab Sample ID: 580-26451-43

Date Collected: 05/26/11 14:50

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 21:00	SK	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 15:37	CM	TAL SEA
Total/NA	Prep	7471A			87703	06/13/11 09:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 12:50	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87875	06/13/11 21:27	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:38	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: G-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-44

Date Collected: 05/26/11 15:30

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 01:50	SK	TAL SEA
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 14:34	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 15:56	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:41	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87875	06/13/11 21:30	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:43	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: G-WETSOIL-052611-1.0-2.0

Lab Sample ID: 580-26451-45

Date Collected: 05/26/11 15:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 63.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 23:26	SK	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: G-WETSOIL-052611-1.0-2.0

Lab Sample ID: 580-26451-45

Date Collected: 05/26/11 15:35

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 63.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 15:18	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 16:16	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:43	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		5	87875	06/13/11 21:34	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:47	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87169	06/03/11 10:22	TR	TAL SEA

Client Sample ID: E-WETSOIL-052611-0.0-0.5

Lab Sample ID: 580-26451-46

Date Collected: 05/26/11 16:00

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 51.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 23:50	SK	TAL SEA
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 15:40	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 16:35	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:44	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 21:37	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 18:51	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87170	06/03/11 10:48	TR	TAL SEA

Client Sample ID: E-WETSOIL-052611-0.5-1.0

Lab Sample ID: 580-26451-47

Date Collected: 05/26/11 16:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 02:14	SK	TAL SEA
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 16:03	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 16:54	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:50	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 21:40	SP	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: E-WETSOIL-052611-0.5-1.0

Lab Sample ID: 580-26451-47

Date Collected: 05/26/11 16:05

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	87876	06/10/11 18:55	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87170	06/03/11 10:48	TR	TAL SEA

Client Sample ID: E-WETSOIL-2-052611-0.5-1.0

Lab Sample ID: 580-26451-48

Date Collected: 05/26/11 16:47

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 00:14	SK	TAL SEA
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 16:26	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 17:14	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:51	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 21:43	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 19:00	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87170	06/03/11 10:48	TR	TAL SEA

Client Sample ID: E-WETSOIL-2-052611-1.0-2.0

Lab Sample ID: 580-26451-49

Date Collected: 05/26/11 16:55

Matrix: Solid

Date Received: 05/31/11 10:15

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/10/11 02:39	SK	TAL SEA
Total/NA	Prep	3550B			87296	06/06/11 15:03	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87378	06/07/11 16:47	ES	TAL SEA
Total/NA	Prep	3550B			87349	06/07/11 09:42	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 17:33	CM	TAL SEA
Total/NA	Prep	7471A			87711	06/13/11 08:00	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 11:53	FCW	TAL SEA
Total/NA	Prep	3050B			87692	06/10/11 13:06	PAB	TAL SEA
Total/NA	Analysis	6010B		10	87875	06/13/11 21:46	SP	TAL SEA
Total/NA	Analysis	6010B		1	87876	06/10/11 19:04	SP	TAL SEA
Total/NA	Analysis	Moisture		1	87170	06/03/11 10:48	TR	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Client Sample ID: TB

Lab Sample ID: 580-26451-50

Date Collected: 05/26/11 00:00

Matrix: Solid

Date Received: 05/31/11 10:15

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared Or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Prep	5035			87581	06/09/11 09:59	SK	TAL SEA
Total/NA	Analysis	8260B		1	87638	06/09/11 20:36	SK	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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Certification Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26451-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26451-1	G-TP1-052511-0.0-0.5	Solid	05/25/11 07:40	05/31/11 10:15
580-26451-2	G-TP1-052511-2.0-2.5	Solid	05/25/11 07:45	05/31/11 10:15
580-26451-3	G-TP2-052511-0.0-0.5	Solid	05/25/11 08:30	05/31/11 10:15
580-26451-4	G-TP2-052511-2.0-2.5	Solid	05/25/11 08:35	05/31/11 10:15
580-26451-5	G-TP3-052511-0.0-0.5	Solid	05/25/11 08:50	05/31/11 10:15
580-26451-6	G-TP3-052511-2.0-2.5	Solid	05/25/11 08:55	05/31/11 10:15
580-26451-7	G-TP3-052511-3.5-4.0	Solid	05/25/11 09:00	05/31/11 10:15
580-26451-8	E-TP1-052511-4.5	Solid	05/25/11 10:05	05/31/11 10:15
580-26451-9	E-TP2-052511-3.0	Solid	05/25/11 10:25	05/31/11 10:15
580-26451-10	M-TP1-052511-0.0-0.5	Solid	05/25/11 12:50	05/31/11 10:15
580-26451-11	M-TP1-052511-3.0-3.5	Solid	05/25/11 12:55	05/31/11 10:15
580-26451-12	M-TP1.2-052511-0.0-0.5	Solid	05/25/11 13:00	05/31/11 10:15
580-26451-14	M-TP2-052511-0.0-0.5	Solid	05/25/11 14:15	05/31/11 10:15
580-26451-15	M-TP2-052511-3.5-4.0	Solid	05/25/11 14:20	05/31/11 10:15
580-26451-16	D-TP1-052511-4.5	Solid	05/25/11 15:20	05/31/11 10:15
580-26451-17	D-TP1-052511-5.5	Solid	05/25/11 15:45	05/31/11 10:15
580-26451-18	J-TP3-052511-0.5-1.0	Solid	05/25/11 16:40	05/31/11 10:15
580-26451-19	J-TP3-052511-1.5-2.0	Solid	05/25/11 16:45	05/31/11 10:15
580-26451-20	J-TP3-052511-3.5-4.0	Solid	05/25/11 16:50	05/31/11 10:15
580-26451-21	H-TP1-052611-0.0-0.5	Solid	05/26/11 07:05	05/31/11 10:15
580-26451-22	H-TP1-052611-3.5-4.0	Solid	05/26/11 07:10	05/31/11 10:15
580-26451-23	H-TP2-052611-1.0-1.5	Solid	05/26/11 08:20	05/31/11 10:15
580-26451-24	H-TP2-052611-2.0-2.5	Solid	05/26/11 08:25	05/31/11 10:15
580-26451-26	H-TP3-052611-0.0-0.5	Solid	05/26/11 09:45	05/31/11 10:15
580-26451-28	H-TP3-052611-3.5-4.0	Solid	05/26/11 09:55	05/31/11 10:15
580-26451-29	D-TP3-052611-4.5	Solid	05/26/11 10:20	05/31/11 10:15
580-26451-30	D-TP3.2-052611-4.5	Solid	05/26/11 10:25	05/31/11 10:15
580-26451-32	C-TP1-052611-5.0	Solid	05/26/11 11:05	05/31/11 10:15
580-26451-33	C-TP2-052611-8.0	Solid	05/26/11 11:30	05/31/11 10:15
580-26451-34	C-TP3-052611-4.5	Solid	05/26/11 13:45	05/31/11 10:15
580-26451-35	C-TP3.2-052611-4.5	Solid	05/26/11 13:50	05/31/11 10:15
580-26451-36	B-TP1-052611-6.5	Solid	05/26/11 13:05	05/31/11 10:15
580-26451-37	B-TP1.2-052611-6.5	Solid	05/26/11 13:10	05/31/11 10:15
580-26451-39	B-TP1-052611-6.0	Solid	05/26/11 13:20	05/31/11 10:15
580-26451-41	B-TP2-052611-5.5	Solid	05/26/11 14:20	05/31/11 10:15
580-26451-43	B-TP3-052611-5.5	Solid	05/26/11 14:50	05/31/11 10:15
580-26451-44	G-WETSOIL-052611-0.0-0.5	Solid	05/26/11 15:30	05/31/11 10:15
580-26451-45	G-WETSOIL-052611-1.0-2.0	Solid	05/26/11 15:35	05/31/11 10:15
580-26451-46	E-WETSOIL-052611-0.0-0.5	Solid	05/26/11 16:00	05/31/11 10:15
580-26451-47	E-WETSOIL-052611-0.5-1.0	Solid	05/26/11 16:05	05/31/11 10:15
580-26451-48	E-WETSOIL-2-052611-0.5-1.0	Solid	05/26/11 16:47	05/31/11 10:15
580-26451-49	E-WETSOIL-2-052611-1.0-2.0	Solid	05/26/11 16:55	05/31/11 10:15
580-26451-50	TB	Solid	05/26/11 00:00	05/31/11 10:15

Client: Furukawa
975 5th Ave NW
Address: _____
City: _____ State: _____ Zip Code: _____
Client Contact: Brett Corp
Telephone Number (Area Code)/Fax Number: (425) 299-0800
Date: 5-26-11
Chain of Custody Number: 11263
Lab Number: 26451
Page 1 of 5

City: Issaquah State: WA Zip Code: 98027
Project Name and Location (State): 765-001 Yakima mt
Contract/Purchase Order/Quote No.: 765-001
Sampler: R. Hilborn
Billing Contact: _____
Analysis (Attach list if more space is needed)

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives								Special Instructions/ Conditions of Receipt						
			Air	Aqueous	Sol.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	MECH								
G-TP1-052511-0.0-0.5	5-25-11	0740				X							X	X							
G-TP1-052511-2.0-2.5		0745												X	X						
G-TP2-052511-0.0-0.5		0830												X	X						
G-TP2-052511-2.0-2.5		0835												X	X				No Metals BSL		
G-TP3-052511-0.0-0.5		0850												X	X						
G-TP3-052511-2.0-2.5		0855												X	X						
G-TP3-052511-3.5-4.0		0900												X	X						
F-TP1-052511-4.5		1005												X	X						
E-TP2-052511-3.0		1025												X	X						
M-TP1-052511-0.0-0.5		1250												X	X						
M-TP1-052511-3.0-3.5	1355												X	X							
M-TP1.2-052511-0.0-0.5	1300												X	X						Depleted (Field Sample)	

Cooler: Yes No. Cooler Temp: _____
Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____
QC Requirements (Specify)

1. Relinquished By: <u>Roger Hilborn</u> <u>Roger Hilborn</u>	Date: <u>5-26-11</u> Time: <u>1900</u>	1. Received By: _____	Date: _____	Time: _____
2. Relinquished By: _____	Date: _____	2. Received By: _____	Date: _____	Time: _____
3. Relinquished By: _____	Date: _____	3. Received By: _____	Date: _____	Time: _____

Comments: Hold samples until instructed which samples to analyze Metals to include: Antimony, Arsenic, Cadmium, Copper, Lead, Manganese, Mercury, and Zinc

Client: Forillon Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11284
 Address: Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26451 Page 2 of 5

City: Issaquah State: WA Zip Code: 98027 Sampler: Pat Hibbs Lab Contact: _____
 Project Name and Location (State): 76570001 Yakima WA Billing Contact: _____
 Analysis (Attach list if more space is needed): _____

Contract/Purchase Order/Quote No.: 765-001 Matrix: _____ Containers & Preservatives: _____
 Special Instructions/Conditions of Receipt: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives						Analysis	Special Instructions/Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Slurries	2%SO4	PHOS	HCl	NaOH	ZnAc2/NaOH	Misc.	Other			Other	Other
M-TP1-052511-3.0-3.5	5-25-11	1305				X	1											13
M-TP2-052511-0.0-0.5		1415					1											14
M-TP2-052511-3.5-4.0		1420					1											15
D-TP1-052511-4.5		1520					1											16
D-TP2-052511-5.5		1545					1											17
J-TP3-052511-0.5-1.0		1640					1											18
J-TP3-052511-1.5-2.0		1645					1											19
J-TP3-052511-3.5-4.0		1650					1											20
H-TP1-052611-0.0-0.5	5-26-11	0705					3											21
H-TP1-052611-3.5-4.0		0710					3											22
H-TP2-052611-6.0-6.5		0820					3											23
H-TP2-052611-2.0-2.5		0825					1											24

Cooler: Yes No - Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By: <u>Pat Hibbs</u> <u>Pat Hibbs</u> Date: <u>5-26-11</u> Time: <u>1900</u>	1. Received By: _____ Date: _____ Time: _____
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments: See page 1

Client: Forallum
 Client Contact: Beth Loop
 Date: 5-26-11
 Chain of Custody Number: 11265
 Address: _____
 Telephone Number (Area Code)/Fax Number: (425) 295-0800
 Lab Number: 26451
 Page 3 of 5

City: Issaquah State: WA Zip Code: 98027
 Project Name and Location (State): YSF Yukima WA
 Sampler: R. Hibbs
 Lab Contact: _____
 Billing Contact: _____
 Analysis (Attach list if more space is needed): _____

Contract/Purchase Order/Quote No.: 765-001
 Matrix: _____
 Containers & Preservatives: _____
 Special Instructions/Conditions of Receipt: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives										Special Instructions/Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Misc.	Other	Other	Other	Other		Other	Other		
H-TP2-052611-3.3-4.0	5-26-11	0830			X		3														Freeze and Test out 1762	
H-TP3-052611-0.0-0.5		0845					1						X	X								26
H-TP3-052611-2.0-2.5		0950					3								X	X						Freeze and Test out 1710
H-TP3-052611-3.5-4.0		0965					3						X	X								Freeze and Test out 1710
D-TP3-052611-4.3		1030					1						X	X								27
D-TP3-02-052611-4.5		1035					1						X	X								Duplicate (Field)
C-TP1-052611-3.5		1100					1						X	X								31
C-TP1-052611-5.0		1105					1						X	X								32
C-TP2-052611-3.0		1130					1						X	X								33
C-TP3-052611-4.5		1345					1						X	X								34
C-TP3-02-052611-4.5	1350					1						X	X								Duplicate (Field)	

Cooler: Yes No. Cooler Temp: _____
 Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months
 (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____
 QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Date: <u>5-26-11</u> Time: <u>1900</u>	1. Received By: _____ Date: _____ Time: _____
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments: See page 1

Client: Furniture Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11266
Address: Telephone Number (Area Code/Fax Number): (425) 295-0800 Lab Number: 76451 Page 4 of 5

City: Issaquah State: WA Zip Code: 98027 Sampler: P. Hibbs Lab Contact: _____
Project Name and Location (State): YSF Yakima WA Billing Contact: _____
Contract/Purchase Order/Quote No.: 765-001

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	Mezq	Organics (Distilled)	Metals (See report)		VOCs SVOCs	HCID	
B-TP1-052611-0.5	5-26-11	1305				X	2													36
B-TP1-052611-6.5		1310				X	2													37 Dipstick (Field)
B-TP1-052611-6.0		1315				X	2													38
B-TP1-052611-6.0		1320				X	1													39 Bios ONLY
B-TP2-052611-4.5		1415				X	2													40
B-TP2-052611-5.5		1420				X	3													41
B-TP2-052611-4.5		1445				X	2													42
B-TP3-052611-5.5		1450				X	3													43
G-wetsoil-052611-0.0-0.5		1530				X	2													44
G-wetsoil-052611-1.0-2.0		1535				X	4													45
E-wetsoil-052611-0.0-0.5		1600				X	4													46
E-wetsoil-052611-0.5-1.0		1605				X	2													47

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Return to Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ GC Requirements (Specify): _____

1. Relinquished By: <u>Sign/Print</u> <u>Roger Hibbs</u>	Date: <u>5-26-11</u>	Time: <u>1900</u>	1. Received By: <u>Sign/Print</u>	Date: _____	Time: _____
2. Relinquished By: <u>Sign/Print</u>	Date: _____	Time: _____	2. Received By: <u>Sign/Print</u>	Date: _____	Time: _____
3. Relinquished By: <u>Sign/Print</u>	Date: _____	Time: _____	3. Received By: <u>Sign/Print</u>	Date: _____	Time: _____

Comments: See page 1

TestAmerica

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Tacoma, WA 98424
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Fax: 253-922-5047
www.testamericainc.com

Rush
 Short Hold

Chain of Custody Record

Client: Furukawa Client Contact: Brett Corp Date: 5-26-11 Chain of Custody Number: 11267
Address: _____ Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26451 Page 5 of 5

City: Issaquah, WA State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact: _____
Project Name and Location (State): YSE Yuki River WA Billing Contact: _____ Analysis (Attach list if more space is needed): _____

Contract/Purchase Order/Quote No.: 765-001 Matrix: _____ Containers & Preservatives: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Slurries	H2SO4	AINO3	PCI	NaOH	ZnAc/NaOH	MeOH	MeOH			
<u>E-waste-2-052611-0.5-1.0</u>	<u>5-26-11</u>	<u>1647</u>			<u>X</u>			<u>4</u>									<u>ve</u>
<u>E-waste-2-052611-1.0-2.0</u>	<u>5-26-11</u>	<u>1655</u>			<u>X</u>			<u>2</u>									<u>ve</u>

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By: <u>Ryan Hibbs</u> Date: <u>5-26-11</u> Time: <u>1700</u>	1. Received By: _____ Date: _____ Time: _____
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments: See page 1

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26451-1

Login Number: 26451

List Source: TestAmerica Seattle

List Number: 1

Creator: Kalicki, Samantha

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	Melted upon rec't. Samples in water.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	COC not present upon rec't. Rec'd via email.
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Not needed.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	No H2O VOA rec'd.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26502-1
Client Project/Site: Yakima Steel
Revision: 1

For:
Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:27:02 PM
Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com
Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

LINKS

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www.testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Job ID: 580-26502-1

Laboratory: TestAmerica Seattle

Narrative

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Trifluorotoluene (TFT) surrogate recovery for the following sample(s) was outside control limits: E-WetSed-1-053111 (580-26502-1). Evidence of matrix interference is present as similar depressed but in control TFT recoveries were seen in the other two samples in the work order; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

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Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-1-053111

Lab Sample ID: 580-26502-1

Date Collected: 05/31/11 14:10

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chloromethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Vinyl chloride	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Bromomethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Trichlorofluoromethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1-Dichloroethene	ND		14		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Methylene Chloride	ND		41		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
trans-1,2-Dichloroethene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1-Dichloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
2,2-Dichloropropane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
cis-1,2-Dichloroethene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chlorobromomethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chloroform	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1,1-Trichloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Carbon tetrachloride	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1-Dichloropropene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Benzene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,2-Dichloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Trichloroethene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,2-Dichloropropane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Dibromomethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Dichlorobromomethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
cis-1,3-Dichloropropene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Toluene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
trans-1,3-Dichloropropene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1,2-Trichloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Tetrachloroethene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,3-Dichloropropane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chlorodibromomethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Ethylene Dibromide	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Chlorobenzene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Ethylbenzene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1,1,2-Tetrachloroethane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
m-Xylene & p-Xylene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
o-Xylene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Styrene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Bromoform	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Isopropylbenzene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
Bromobenzene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
N-Propylbenzene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,2,3-Trichloropropane	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
2-Chlorotoluene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,3,5-Trimethylbenzene	ND		14		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
4-Chlorotoluene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
tert-Butylbenzene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,2,4-Trimethylbenzene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
sec-Butylbenzene	ND		5.4		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1
1,3-Dichlorobenzene	ND		2.7		ug/Kg	*	06/13/11 14:53	06/13/11 19:09	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-1-053111

Lab Sample ID: 580-26502-1

Date Collected: 05/31/11 14:10

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		5.4		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
1,4-Dichlorobenzene	ND		2.7		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
n-Butylbenzene	ND		5.4		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
1,2-Dichlorobenzene	ND		2.7		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.4		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
1,2,4-Trichlorobenzene	ND		5.4		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
1,2,3-Trichlorobenzene	ND		5.4		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
Hexachlorobutadiene	ND		2.7		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
Naphthalene	ND		14		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
Methyl tert-butyl ether	ND		2.7		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
Carbon disulfide	ND		2.7		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
Acetone	82		41		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
4-Methyl-2-pentanone	ND		14		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1
2-Butanone	ND		14		ug/Kg	☼	06/13/11 14:53	06/13/11 19:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	104		80 - 120	06/13/11 14:53	06/13/11 19:09	1
Toluene-d8 (Surr)	94		80 - 120	06/13/11 14:53	06/13/11 19:09	1
Ethylbenzene-d10	101		70 - 120	06/13/11 14:53	06/13/11 19:09	1
4-Bromofluorobenzene (Surr)	96		70 - 120	06/13/11 14:53	06/13/11 19:09	1
Trifluorotoluene (Surr)	59	X I	65 - 140	06/13/11 14:53	06/13/11 19:09	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	45		0.10		%			06/06/11 14:43	1
Percent Moisture	55		0.10		%			06/06/11 14:43	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-2-053111

Lab Sample ID: 580-26502-2

Date Collected: 05/31/11 14:30

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chloromethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Vinyl chloride	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Bromomethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Trichlorofluoromethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1-Dichloroethene	ND		13		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Methylene Chloride	ND		39		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
trans-1,2-Dichloroethene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1-Dichloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
2,2-Dichloropropane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
cis-1,2-Dichloroethene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chlorobromomethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chloroform	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1,1-Trichloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Carbon tetrachloride	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1-Dichloropropene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Benzene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,2-Dichloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Trichloroethene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,2-Dichloropropane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Dibromomethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Dichlorobromomethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
cis-1,3-Dichloropropene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Toluene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
trans-1,3-Dichloropropene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1,2-Trichloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Tetrachloroethene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,3-Dichloropropane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chlorodibromomethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Ethylene Dibromide	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Chlorobenzene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Ethylbenzene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1,1,2-Tetrachloroethane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,1,2,2-Tetrachloroethane	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
m-Xylene & p-Xylene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
o-Xylene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Styrene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Bromoform	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Isopropylbenzene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
Bromobenzene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
N-Propylbenzene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,2,3-Trichloropropane	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
2-Chlorotoluene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,3,5-Trimethylbenzene	ND		13		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
4-Chlorotoluene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
tert-Butylbenzene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,2,4-Trimethylbenzene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
sec-Butylbenzene	ND		5.2		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1
1,3-Dichlorobenzene	ND		2.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:33	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-2-053111

Lab Sample ID: 580-26502-2

Date Collected: 05/31/11 14:30

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		5.2		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
1,4-Dichlorobenzene	ND		2.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
n-Butylbenzene	ND		5.2		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
1,2-Dichlorobenzene	ND		2.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
1,2-Dibromo-3-Chloropropane	ND		5.2		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
1,2,4-Trichlorobenzene	ND		5.2		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
1,2,3-Trichlorobenzene	ND		5.2		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
Hexachlorobutadiene	ND		2.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
Naphthalene	ND		13		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
Methyl tert-butyl ether	ND		2.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
Carbon disulfide	3.2		2.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
Acetone	ND		39		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
4-Methyl-2-pentanone	ND		13		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1
2-Butanone	ND		13		ug/Kg	☼	06/13/11 14:53	06/13/11 19:33	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	104		80 - 120	06/13/11 14:53	06/13/11 19:33	1
Toluene-d8 (Surr)	95		80 - 120	06/13/11 14:53	06/13/11 19:33	1
Ethylbenzene-d10	99		70 - 120	06/13/11 14:53	06/13/11 19:33	1
4-Bromofluorobenzene (Surr)	93		70 - 120	06/13/11 14:53	06/13/11 19:33	1
Trifluorotoluene (Surr)	72		65 - 140	06/13/11 14:53	06/13/11 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	43		0.10		%			06/06/11 14:43	1
Percent Moisture	57		0.10		%			06/06/11 14:43	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-3-053111

Lab Sample ID: 580-26502-3

Date Collected: 05/31/11 15:00

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 40.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chloromethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Vinyl chloride	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Bromomethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Trichlorofluoromethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1-Dichloroethene	ND		17		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Methylene Chloride	ND		50		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
trans-1,2-Dichloroethene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1-Dichloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
2,2-Dichloropropane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
cis-1,2-Dichloroethene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chlorobromomethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chloroform	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1,1-Trichloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Carbon tetrachloride	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1-Dichloropropene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Benzene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,2-Dichloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Trichloroethene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,2-Dichloropropane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Dibromomethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Dichlorobromomethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
cis-1,3-Dichloropropene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Toluene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
trans-1,3-Dichloropropene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1,2-Trichloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Tetrachloroethene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,3-Dichloropropane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chlorodibromomethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Ethylene Dibromide	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Chlorobenzene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Ethylbenzene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1,1,2-Tetrachloroethane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,1,2,2-Tetrachloroethane	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
m-Xylene & p-Xylene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
o-Xylene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Styrene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Bromoform	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Isopropylbenzene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
Bromobenzene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
N-Propylbenzene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,2,3-Trichloropropane	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
2-Chlorotoluene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,3,5-Trimethylbenzene	ND		17		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
4-Chlorotoluene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
tert-Butylbenzene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,2,4-Trimethylbenzene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
sec-Butylbenzene	ND		6.6		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1
1,3-Dichlorobenzene	ND		3.3		ug/Kg	☼	06/13/11 14:53	06/13/11 19:58	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-3-053111

Lab Sample ID: 580-26502-3

Date Collected: 05/31/11 15:00

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 40.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		6.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
1,4-Dichlorobenzene	ND		3.3		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
n-Butylbenzene	ND		6.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
1,2-Dichlorobenzene	ND		3.3		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
1,2-Dibromo-3-Chloropropane	ND		6.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
1,2,4-Trichlorobenzene	ND		6.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
1,2,3-Trichlorobenzene	ND		6.6		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
Hexachlorobutadiene	ND		3.3		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
Naphthalene	ND		17		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
Methyl tert-butyl ether	ND		3.3		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
Carbon disulfide	ND		3.3		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
Acetone	110		50		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
4-Methyl-2-pentanone	ND		17		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1
2-Butanone	25		17		ug/Kg	*	06/13/11 14:53	06/13/11 19:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	103		80 - 120	06/13/11 14:53	06/13/11 19:58	1
Toluene-d8 (Surr)	97		80 - 120	06/13/11 14:53	06/13/11 19:58	1
Ethylbenzene-d10	106		70 - 120	06/13/11 14:53	06/13/11 19:58	1
4-Bromofluorobenzene (Surr)	99		70 - 120	06/13/11 14:53	06/13/11 19:58	1
Trifluorotoluene (Surr)	66		65 - 140	06/13/11 14:53	06/13/11 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	40		0.10		%			06/06/11 14:43	1
Percent Moisture	60		0.10		%			06/06/11 14:43	1



QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

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

Lab Sample ID: MB 580-87809/1-A
Matrix: Solid
Analysis Batch: 87782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87809

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chloromethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Vinyl chloride	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Bromomethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Methylene Chloride	ND		15		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
2,2-Dichloropropane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chlorobromomethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chloroform	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Benzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Trichloroethene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Dibromomethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Toluene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Tetrachloroethene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,3-Dichloropropane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chlorodibromomethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Chlorobenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Ethylbenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
o-Xylene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Styrene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Bromoform	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Isopropylbenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Bromobenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
N-Propylbenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

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

Lab Sample ID: MB 580-87809/1-A

Matrix: Solid

Analysis Batch: 87782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87809

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichlorobenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
n-Butylbenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Hexachlorobutadiene	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Naphthalene	ND		5.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Carbon disulfide	ND		1.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
Acetone	ND		15		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1
2-Butanone	ND		5.0		ug/Kg		06/13/11 14:53	06/13/11 15:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Fluorobenzene (Surr)	103		80 - 120	06/13/11 14:53	06/13/11 15:30	1
Toluene-d8 (Surr)	96		80 - 120	06/13/11 14:53	06/13/11 15:30	1
Ethylbenzene-d10	96		70 - 120	06/13/11 14:53	06/13/11 15:30	1
4-Bromofluorobenzene (Surr)	92		70 - 120	06/13/11 14:53	06/13/11 15:30	1
Trifluorotoluene (Surr)	106		65 - 140	06/13/11 14:53	06/13/11 15:30	1

Lab Sample ID: LCS 580-87809/2-A

Matrix: Solid

Analysis Batch: 87782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87809

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	40.0	44.2		ug/Kg		111	65 - 135
Benzene	40.0	39.6		ug/Kg		99	75 - 125
Trichloroethene	40.0	36.9		ug/Kg		92	75 - 125
Toluene	40.0	33.1		ug/Kg		83	70 - 125
Chlorobenzene	40.0	32.0		ug/Kg		80	75 - 125

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	105		80 - 120
Toluene-d8 (Surr)	91		80 - 120
Ethylbenzene-d10	97		70 - 120
4-Bromofluorobenzene (Surr)	86		70 - 120
Trifluorotoluene (Surr)	90		65 - 140

Lab Sample ID: LCSD 580-87809/3-A

Matrix: Solid

Analysis Batch: 87782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87809

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
1,1-Dichloroethene	40.0	37.2		ug/Kg		93	65 - 135	17	30
Benzene	40.0	37.3		ug/Kg		93	75 - 125	6	30
Trichloroethene	40.0	33.3		ug/Kg		83	75 - 125	10	30

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

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

Lab Sample ID: LCSD 580-87809/3-A

Matrix: Solid

Analysis Batch: 87782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Toluene	40.0	33.4		ug/Kg		84	70 - 125	1	30
Chlorobenzene	40.0	34.8		ug/Kg		87	75 - 125	8	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	99		80 - 120
Ethylbenzene-d10	107		70 - 120
4-Bromofluorobenzene (Surr)	94		70 - 120
Trifluorotoluene (Surr)	85		65 - 140



Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Client Sample ID: E-WetSed-1-053111

Lab Sample ID: 580-26502-1

Date Collected: 05/31/11 14:10

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 45.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87809	06/13/11 14:53	SK	TAL SEA
Total/NA	Analysis	8260B		1	87782	06/13/11 19:09	SK	TAL SEA
Total/NA	Analysis	Moisture		1	87293	06/06/11 14:43	SP	TAL SEA

Client Sample ID: E-WetSed-2-053111

Lab Sample ID: 580-26502-2

Date Collected: 05/31/11 14:30

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 43.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87809	06/13/11 14:53	SK	TAL SEA
Total/NA	Analysis	8260B		1	87782	06/13/11 19:33	SK	TAL SEA
Total/NA	Analysis	Moisture		1	87293	06/06/11 14:43	SP	TAL SEA

Client Sample ID: E-WetSed-3-053111

Lab Sample ID: 580-26502-3

Date Collected: 05/31/11 15:00

Matrix: Solid

Date Received: 06/01/11 09:45

Percent Solids: 40.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87809	06/13/11 14:53	SK	TAL SEA
Total/NA	Analysis	8260B		1	87782	06/13/11 19:58	SK	TAL SEA
Total/NA	Analysis	Moisture		1	87293	06/06/11 14:43	SP	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: Yakima Steel

TestAmerica Job ID: 580-26502-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26502-1	E-WetSed-1-053111	Solid	05/31/11 14:10	06/01/11 09:45
580-26502-2	E-WetSed-2-053111	Solid	05/31/11 14:30	06/01/11 09:45
580-26502-3	E-WetSed-3-053111	Solid	05/31/11 15:00	06/01/11 09:45

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- 6
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- 8
- 9
- 10
- 11

Rush

Short Hold

**Chain of
Custody Record**

Client: Furallon Client Contact: Brett Corp Date: 5-31-11 Chain of Custody Number: 11301
Address: _____ Telephone Number (Area Code)/Fax Number: (425) 295-0800 Lab Number: 26502 Page 1 of 1

City: Issaquah State: WA Zip Code: 98027 Sampler: R. Hibbs Lab Contact: _____
Project Name and Location (State): YSF Yakima WA Billing Contact: _____
Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No.: 765-001 Matrix: _____ Containers & Preservatives: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Meq/L					
E-wetted-1-053111	5-31-11	1710			X													
E-wetted-2-053111	L	1430			X													
E-wetted-3-053111		1500				X												

Cooler/IB IR cor 0.3 und 0.3
Cooler Dsc 1g B/W @ Lab 0945
Wet/Packs Packing Bubbled
W/O CS Submerged
in water

Cooler Yes No Cooler Temp: _____ Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days) 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify)

1. Relinquished By Sign/Print <u>Ryan Hibbs</u> Ryan Hibbs	Date <u>5-31-11</u>	Time <u>1530</u>	1. Received By Sign/Print <u>Samanthya K. Kalicki</u>	Date <u>6/1/11</u>	Time <u>0945</u>
2. Relinquished By Sign/Print <u>Samanthya K. Kalicki</u>	Date <u>6/1/11</u>	Time <u>14:45</u>	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments: Call Brett Corp for analysis

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26502-1

Login Number: 26502

List Source: TestAmerica Seattle

List Number: 1

Creator: Kalicki, Samantha

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	Containers submerged in water.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Not needed.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	No H2O VOA rec'd.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26520-1

Client Project/Site: YSF Yakima WA
Revision: 2

For:

Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:27:52 PM

Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com

Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Job ID: 580-26520-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-26520-1

Comments

No additional comments.

Receipt

One unpreserved one liter amber received broken. This was from sample MW-3-06111.

Sample set MW-4-060111 without collection time on containers. Sample containers labeled per time found on COC for this sample.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

Method(s) RSK-175: Due to the high concentration of Methane, the matrix spike / matrix spike duplicate (MS/MSD) for batch 205123 could not be evaluated for accuracy and precision for Methane. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 87465 exceeded control limits for the following analytes: Endrin ketone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-2-060111

Lab Sample ID: 580-26520-1

Date Collected: 06/01/11 09:34

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10		ug/L			06/11/11 01:34	1
Bromobenzene	ND		0.10		ug/L			06/11/11 01:34	1
Bromoform	ND		0.10		ug/L			06/11/11 01:34	1
Bromomethane	ND		0.10		ug/L			06/11/11 01:34	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 01:34	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 01:34	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 01:34	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 01:34	1
Chloroethane	ND		0.25		ug/L			06/11/11 01:34	1
Chloroform	0.52		0.10		ug/L			06/11/11 01:34	1
Chloromethane	ND		0.10		ug/L			06/11/11 01:34	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 01:34	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 01:34	1
cis-1,2-Dichloroethene	8.9		0.10		ug/L			06/11/11 01:34	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 01:34	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 01:34	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 01:34	1
Dibromomethane	ND		0.10		ug/L			06/11/11 01:34	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 01:34	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 01:34	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 01:34	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 01:34	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 01:34	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 01:34	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 01:34	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 01:34	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 01:34	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 01:34	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 01:34	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 01:34	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 01:34	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 01:34	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 01:34	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 01:34	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 01:34	1
Naphthalene	ND		0.40		ug/L			06/11/11 01:34	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
o-Xylene	ND		0.10		ug/L			06/11/11 01:34	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
Styrene	ND		0.10		ug/L			06/11/11 01:34	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 01:34	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 01:34	1
Tetrachloroethene	1.6		0.10		ug/L			06/11/11 01:34	1
Toluene	ND		0.10		ug/L			06/11/11 01:34	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 01:34	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 01:34	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-2-060111

Lab Sample ID: 580-26520-1

Date Collected: 06/01/11 09:34

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 01:34	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 01:34	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 01:34	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 01:34	1
Trichloroethene	1.5		0.10		ug/L			06/11/11 01:34	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 01:34	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 01:34	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 01:34	1
Vinyl chloride	0.025		0.020		ug/L			06/11/11 01:34	1
Acetone	ND		2.0		ug/L			06/11/11 01:34	1
2-Butanone	ND		2.0		ug/L			06/11/11 01:34	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 01:34	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 01:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		75 - 120		06/11/11 01:34	1
Ethylbenzene-d10	98		75 - 125		06/11/11 01:34	1
Fluorobenzene (Surr)	100		70 - 130		06/11/11 01:34	1
Toluene-d8 (Surr)	98		75 - 125		06/11/11 01:34	1
Trifluorotoluene (Surr)	102		80 - 125		06/11/11 01:34	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/07/11 18:20	1
Ethylene	ND		1.0		ug/L			06/07/11 18:20	1
Methane	ND		0.58		ug/L			06/07/11 18:20	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
beta-BHC	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
4,4'-DDD	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
4,4'-DDE	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
4,4'-DDT	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Dieldrin	0.033		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endosulfan I	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endosulfan II	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endosulfan sulfate	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endrin	ND		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endrin aldehyde	ND		0.052		ug/L		06/08/11 09:32	06/09/11 00:39	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 00:39	1
Endrin ketone	ND *		0.021		ug/L		06/08/11 09:32	06/09/11 00:39	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 00:39	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-2-060111

Lab Sample ID: 580-26520-1

Date Collected: 06/01/11 09:34

Matrix: Water

Date Received: 06/02/11 09:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 00:39	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		18 - 181				06/08/11 09:32	06/09/11 00:39	1
DCB Decachlorobiphenyl	91		53 - 122				06/08/11 09:32	06/09/11 00:39	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:18	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:18	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:18	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:18	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:18	5
Manganese	0.18		0.0020		mg/L		06/09/11 10:30	06/09/11 21:18	5
Zinc	0.54		0.0070		mg/L		06/09/11 10:30	06/09/11 21:18	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:41	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:41	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:41	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:41	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:41	5
Manganese	0.19		0.0020		mg/L		06/09/11 10:30	06/09/11 21:41	5
Zinc	0.55		0.0070		mg/L		06/09/11 10:30	06/09/11 21:41	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20		0.90		mg/L			06/02/11 17:37	1
Nitrate as N	1.7		0.90		mg/L			06/02/11 17:37	1
Sulfate	39		1.2		mg/L			06/02/11 17:37	1
Total Organic Carbon	1.5		1.0		mg/L			06/13/11 13:41	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	97		5.0		mg/L			06/13/11 17:08	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-6-060111

Lab Sample ID: 580-26520-2

Date Collected: 06/01/11 10:52

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10		ug/L			06/11/11 02:09	1
Bromobenzene	ND		0.10		ug/L			06/11/11 02:09	1
Bromoform	ND		0.10		ug/L			06/11/11 02:09	1
Bromomethane	ND		0.10		ug/L			06/11/11 02:09	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 02:09	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 02:09	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 02:09	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 02:09	1
Chloroethane	ND		0.25		ug/L			06/11/11 02:09	1
Chloroform	ND		0.10		ug/L			06/11/11 02:09	1
Chloromethane	ND		0.10		ug/L			06/11/11 02:09	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 02:09	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 02:09	1
cis-1,2-Dichloroethene	6.6		0.10		ug/L			06/11/11 02:09	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 02:09	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 02:09	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 02:09	1
Dibromomethane	ND		0.10		ug/L			06/11/11 02:09	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:09	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:09	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:09	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 02:09	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 02:09	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 02:09	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 02:09	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 02:09	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 02:09	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 02:09	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 02:09	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 02:09	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 02:09	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 02:09	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 02:09	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 02:09	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 02:09	1
Naphthalene	ND		0.40		ug/L			06/11/11 02:09	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
o-Xylene	ND		0.10		ug/L			06/11/11 02:09	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
Styrene	ND		0.10		ug/L			06/11/11 02:09	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 02:09	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 02:09	1
Tetrachloroethene	ND		0.10		ug/L			06/11/11 02:09	1
Toluene	ND		0.10		ug/L			06/11/11 02:09	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 02:09	1
trans-1,3-Dichloropropene	0.53		0.10		ug/L			06/11/11 02:09	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-6-060111

Lab Sample ID: 580-26520-2

Date Collected: 06/01/11 10:52

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 02:09	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 02:09	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 02:09	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 02:09	1
Trichloroethene	ND		0.10		ug/L			06/11/11 02:09	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 02:09	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 02:09	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 02:09	1
Vinyl chloride	0.20		0.020		ug/L			06/11/11 02:09	1
Acetone	ND		2.0		ug/L			06/11/11 02:09	1
2-Butanone	ND		2.0		ug/L			06/11/11 02:09	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 02:09	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 02:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 120		06/11/11 02:09	1
Ethylbenzene-d10	103		75 - 125		06/11/11 02:09	1
Fluorobenzene (Surr)	106		70 - 130		06/11/11 02:09	1
Toluene-d8 (Surr)	98		75 - 125		06/11/11 02:09	1
Trifluorotoluene (Surr)	112		80 - 125		06/11/11 02:09	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/06/11 19:49	1
Ethylene	ND		1.0		ug/L			06/06/11 19:49	1
Methane	1.7		0.58		ug/L			06/06/11 19:49	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
alpha-BHC	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
beta-BHC	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
delta-BHC	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
gamma-BHC (Lindane)	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
4,4'-DDD	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
4,4'-DDE	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
4,4'-DDT	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Dieldrin	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endosulfan I	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endosulfan II	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endosulfan sulfate	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endrin	ND		0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endrin aldehyde	ND		0.049		ug/L		06/08/11 09:32	06/09/11 00:59	1
Heptachlor	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
Heptachlor epoxide	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
Methoxychlor	ND		0.097		ug/L		06/08/11 09:32	06/09/11 00:59	1
Endrin ketone	ND	*	0.019		ug/L		06/08/11 09:32	06/09/11 00:59	1
Toxaphene	ND		0.97		ug/L		06/08/11 09:32	06/09/11 00:59	1
alpha-Chlordane	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-6-060111

Lab Sample ID: 580-26520-2

Date Collected: 06/01/11 10:52

Matrix: Water

Date Received: 06/02/11 09:50

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 00:59	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		18 - 181				06/08/11 09:32	06/09/11 00:59	1
DCB Decachlorobiphenyl	89		53 - 122				06/08/11 09:32	06/09/11 00:59	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:24	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:24	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:24	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:24	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:24	5
Manganese	0.28		0.0020		mg/L		06/09/11 10:30	06/09/11 21:24	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 21:24	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:47	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:47	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:47	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:47	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:47	5
Manganese	0.28		0.0020		mg/L		06/09/11 10:30	06/09/11 21:47	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 21:47	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20		0.90		mg/L			06/02/11 17:53	1
Nitrate as N	ND		0.90		mg/L			06/02/11 17:53	1
Sulfate	120		6.0		mg/L			06/03/11 10:42	5
Total Organic Carbon	1.1		1.0		mg/L			06/13/11 13:41	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	72		5.0		mg/L			06/13/11 17:08	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-4-060111

Lab Sample ID: 580-26520-3

Date Collected: 06/01/11 13:17

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10		ug/L			06/11/11 02:40	1
Bromobenzene	ND		0.10		ug/L			06/11/11 02:40	1
Bromoform	ND		0.10		ug/L			06/11/11 02:40	1
Bromomethane	ND		0.10		ug/L			06/11/11 02:40	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 02:40	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 02:40	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 02:40	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 02:40	1
Chloroethane	ND		0.25		ug/L			06/11/11 02:40	1
Chloroform	1.7		0.10		ug/L			06/11/11 02:40	1
Chloromethane	ND		0.10		ug/L			06/11/11 02:40	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 02:40	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 02:40	1
cis-1,2-Dichloroethene	0.87		0.10		ug/L			06/11/11 02:40	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 02:40	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 02:40	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 02:40	1
Dibromomethane	ND		0.10		ug/L			06/11/11 02:40	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:40	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:40	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 02:40	1
Dichlorobromomethane	0.14		0.10		ug/L			06/11/11 02:40	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 02:40	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 02:40	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 02:40	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 02:40	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 02:40	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 02:40	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 02:40	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 02:40	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 02:40	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 02:40	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 02:40	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 02:40	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 02:40	1
Naphthalene	ND		0.40		ug/L			06/11/11 02:40	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
o-Xylene	ND		0.10		ug/L			06/11/11 02:40	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
Styrene	ND		0.10		ug/L			06/11/11 02:40	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 02:40	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 02:40	1
Tetrachloroethene	2.2		0.10		ug/L			06/11/11 02:40	1
Toluene	ND		0.10		ug/L			06/11/11 02:40	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 02:40	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 02:40	1



Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-4-060111

Lab Sample ID: 580-26520-3

Date Collected: 06/01/11 13:17

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 02:40	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 02:40	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 02:40	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 02:40	1
Trichloroethene	0.29		0.10		ug/L			06/11/11 02:40	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 02:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 02:40	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 02:40	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 02:40	1
Acetone	ND		2.0		ug/L			06/11/11 02:40	1
2-Butanone	ND		2.0		ug/L			06/11/11 02:40	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 02:40	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 02:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 120					06/11/11 02:40	1
Ethylbenzene-d10	104		75 - 125					06/11/11 02:40	1
Fluorobenzene (Surr)	100		70 - 130					06/11/11 02:40	1
Toluene-d8 (Surr)	104		75 - 125					06/11/11 02:40	1
Trifluorotoluene (Surr)	108		80 - 125					06/11/11 02:40	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
alpha-BHC	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
beta-BHC	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
delta-BHC	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
gamma-BHC (Lindane)	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
4,4'-DDD	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
4,4'-DDE	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
4,4'-DDT	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Dieldrin	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endosulfan I	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endosulfan II	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endosulfan sulfate	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endrin	ND		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endrin aldehyde	ND		0.049		ug/L		06/08/11 09:32	06/09/11 01:18	1
Heptachlor	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
Heptachlor epoxide	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
Methoxychlor	ND		0.097		ug/L		06/08/11 09:32	06/09/11 01:18	1
Endrin ketone	ND *		0.019		ug/L		06/08/11 09:32	06/09/11 01:18	1
Toxaphene	ND		0.97		ug/L		06/08/11 09:32	06/09/11 01:18	1
alpha-Chlordane	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
gamma-Chlordane	ND		0.0097		ug/L		06/08/11 09:32	06/09/11 01:18	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		18 - 181				06/08/11 09:32	06/09/11 01:18	1
DCB Decachlorobiphenyl	86		53 - 122				06/08/11 09:32	06/09/11 01:18	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-4-060111

Lab Sample ID: 580-26520-3

Date Collected: 06/01/11 13:17

Matrix: Water

Date Received: 06/02/11 09:50

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:30	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:30	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:30	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:30	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:30	5
Manganese	0.011		0.0020		mg/L		06/09/11 10:30	06/09/11 21:30	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 21:30	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:53	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:53	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:53	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:53	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:53	5
Manganese	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:53	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 21:53	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:19	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-3-060111

Lab Sample ID: 580-26520-4

Date Collected: 06/01/11 14:18

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10		ug/L			06/11/11 03:05	1
Bromobenzene	ND		0.10		ug/L			06/11/11 03:05	1
Bromoform	ND		0.10		ug/L			06/11/11 03:05	1
Bromomethane	ND		0.10		ug/L			06/11/11 03:05	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 03:05	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 03:05	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 03:05	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 03:05	1
Chloroethane	ND		0.25		ug/L			06/11/11 03:05	1
Chloroform	1.9		0.10		ug/L			06/11/11 03:05	1
Chloromethane	ND		0.10		ug/L			06/11/11 03:05	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 03:05	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 03:05	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 03:05	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:05	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 03:05	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 03:05	1
Dibromomethane	ND		0.10		ug/L			06/11/11 03:05	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:05	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:05	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:05	1
Dichlorobromomethane	0.15		0.10		ug/L			06/11/11 03:05	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 03:05	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 03:05	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 03:05	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 03:05	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 03:05	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:05	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:05	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 03:05	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 03:05	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 03:05	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 03:05	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 03:05	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 03:05	1
Naphthalene	ND		0.40		ug/L			06/11/11 03:05	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
o-Xylene	ND		0.10		ug/L			06/11/11 03:05	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
Styrene	ND		0.10		ug/L			06/11/11 03:05	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:05	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:05	1
Tetrachloroethene	3.2		0.10		ug/L			06/11/11 03:05	1
Toluene	ND		0.10		ug/L			06/11/11 03:05	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 03:05	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:05	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-3-060111

Lab Sample ID: 580-26520-4

Date Collected: 06/01/11 14:18

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 03:05	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 03:05	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 03:05	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 03:05	1
Trichloroethene	0.23		0.10		ug/L			06/11/11 03:05	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 03:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 03:05	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:05	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 03:05	1
Acetone	ND		2.0		ug/L			06/11/11 03:05	1
2-Butanone	ND		2.0		ug/L			06/11/11 03:05	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 03:05	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 03:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120					06/11/11 03:05	1
Ethylbenzene-d10	97		75 - 125					06/11/11 03:05	1
Fluorobenzene (Surr)	100		70 - 130					06/11/11 03:05	1
Toluene-d8 (Surr)	95		75 - 125					06/11/11 03:05	1
Trifluorotoluene (Surr)	100		80 - 125					06/11/11 03:05	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endrin aldehyde	ND		0.051		ug/L		06/08/11 09:32	06/09/11 01:38	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 01:38	1
Endrin ketone	ND *		0.020		ug/L		06/08/11 09:32	06/09/11 01:38	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 01:38	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:38	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		18 - 181				06/08/11 09:32	06/09/11 01:38	1
DCB Decachlorobiphenyl	90		53 - 122				06/08/11 09:32	06/09/11 01:38	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-3-060111

Lab Sample ID: 580-26520-4

Date Collected: 06/01/11 14:18

Matrix: Water

Date Received: 06/02/11 09:50

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:36	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:36	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:36	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:36	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:36	5
Manganese	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:36	5
Zinc	0.0073		0.0070		mg/L		06/09/11 10:30	06/09/11 21:36	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:59	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:59	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:59	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 21:59	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:59	5
Manganese	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 21:59	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 21:59	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:21	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 580-26520-5

Date Collected: 06/01/11 00:00

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10		ug/L			06/10/11 23:08	1
Bromobenzene	ND		0.10		ug/L			06/10/11 23:08	1
Bromoform	ND		0.10		ug/L			06/10/11 23:08	1
Bromomethane	ND		0.10		ug/L			06/10/11 23:08	1
Carbon tetrachloride	ND		0.10		ug/L			06/10/11 23:08	1
Chlorobenzene	ND		0.10		ug/L			06/10/11 23:08	1
Chlorobromomethane	ND		0.10		ug/L			06/10/11 23:08	1
Chlorodibromomethane	ND		0.10		ug/L			06/10/11 23:08	1
Chloroethane	ND		0.25		ug/L			06/10/11 23:08	1
Chloroform	ND		0.10		ug/L			06/10/11 23:08	1
Chloromethane	ND		0.10		ug/L			06/10/11 23:08	1
2-Chlorotoluene	ND		0.10		ug/L			06/10/11 23:08	1
4-Chlorotoluene	ND		0.20		ug/L			06/10/11 23:08	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 23:08	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 23:08	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/10/11 23:08	1
1,2-Dibromoethane	ND		0.10		ug/L			06/10/11 23:08	1
Dibromomethane	ND		0.10		ug/L			06/10/11 23:08	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/10/11 23:08	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/10/11 23:08	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/10/11 23:08	1
Dichlorobromomethane	ND		0.10		ug/L			06/10/11 23:08	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/10/11 23:08	1
1,2-Dichloroethane	ND		0.10		ug/L			06/10/11 23:08	1
1,1-Dichloroethane	ND		0.10		ug/L			06/10/11 23:08	1
1,1-Dichloroethene	ND		0.10		ug/L			06/10/11 23:08	1
1,3-Dichloropropane	ND		0.10		ug/L			06/10/11 23:08	1
2,2-Dichloropropane	ND		0.10		ug/L			06/10/11 23:08	1
1,2-Dichloropropane	ND		0.10		ug/L			06/10/11 23:08	1
1,1-Dichloropropene	ND		0.10		ug/L			06/10/11 23:08	1
Ethylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
Hexachlorobutadiene	ND		0.20		ug/L			06/10/11 23:08	1
Isopropylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
4-Isopropyltoluene	ND		0.20		ug/L			06/10/11 23:08	1
Methylene Chloride	ND		0.50		ug/L			06/10/11 23:08	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/10/11 23:08	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/10/11 23:08	1
Naphthalene	ND		0.40		ug/L			06/10/11 23:08	1
n-Butylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
N-Propylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
o-Xylene	ND		0.10		ug/L			06/10/11 23:08	1
sec-Butylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
Styrene	ND		0.10		ug/L			06/10/11 23:08	1
tert-Butylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 23:08	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 23:08	1
Tetrachloroethene	ND		0.10		ug/L			06/10/11 23:08	1
Toluene	ND		0.10		ug/L			06/10/11 23:08	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 23:08	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 23:08	1



Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 580-26520-5

Date Collected: 06/01/11 00:00

Matrix: Water

Date Received: 06/02/11 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/10/11 23:08	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/10/11 23:08	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/10/11 23:08	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/10/11 23:08	1
Trichloroethene	ND		0.10		ug/L			06/10/11 23:08	1
Trichlorofluoromethane	ND		0.10		ug/L			06/10/11 23:08	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/10/11 23:08	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/10/11 23:08	1
Vinyl chloride	ND		0.020		ug/L			06/10/11 23:08	1
Acetone	ND		2.0		ug/L			06/10/11 23:08	1
2-Butanone	ND		2.0		ug/L			06/10/11 23:08	1
Carbon disulfide	ND		0.10		ug/L			06/10/11 23:08	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/10/11 23:08	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 120					06/10/11 23:08	1
Ethylbenzene-d10	91		75 - 125					06/10/11 23:08	1
Fluorobenzene (Surr)	100		70 - 130					06/10/11 23:08	1
Toluene-d8 (Surr)	95		75 - 125					06/10/11 23:08	1
Trifluorotoluene (Surr)	108		80 - 125					06/10/11 23:08	1



QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

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

Lab Sample ID: MB 580-87710/4

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.10		ug/L			06/10/11 21:52	1
Bromobenzene	ND		0.10		ug/L			06/10/11 21:52	1
Bromoform	ND		0.10		ug/L			06/10/11 21:52	1
Bromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Carbon tetrachloride	ND		0.10		ug/L			06/10/11 21:52	1
Chlorobenzene	ND		0.10		ug/L			06/10/11 21:52	1
Chlorobromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Chlorodibromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Chloroethane	ND		0.25		ug/L			06/10/11 21:52	1
Chloroform	ND		0.10		ug/L			06/10/11 21:52	1
Chloromethane	ND		0.10		ug/L			06/10/11 21:52	1
2-Chlorotoluene	ND		0.10		ug/L			06/10/11 21:52	1
4-Chlorotoluene	ND		0.20		ug/L			06/10/11 21:52	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/10/11 21:52	1
1,2-Dibromoethane	ND		0.10		ug/L			06/10/11 21:52	1
Dibromomethane	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
Dichlorobromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/10/11 21:52	1
1,2-Dichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
1,1-Dichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
1,1-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
1,3-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
2,2-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
1,1-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
Ethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Hexachlorobutadiene	ND		0.20		ug/L			06/10/11 21:52	1
Isopropylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
4-Isopropyltoluene	ND		0.20		ug/L			06/10/11 21:52	1
Methylene Chloride	ND		0.50		ug/L			06/10/11 21:52	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/10/11 21:52	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/10/11 21:52	1
Naphthalene	ND		0.40		ug/L			06/10/11 21:52	1
n-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
N-Propylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
o-Xylene	ND		0.10		ug/L			06/10/11 21:52	1
sec-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Styrene	ND		0.10		ug/L			06/10/11 21:52	1
tert-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 21:52	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 21:52	1
Tetrachloroethene	ND		0.10		ug/L			06/10/11 21:52	1
Toluene	ND		0.10		ug/L			06/10/11 21:52	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

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

Lab Sample ID: MB 580-87710/4

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/10/11 21:52	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
Trichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
Trichlorofluoromethane	ND		0.10		ug/L			06/10/11 21:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/10/11 21:52	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Vinyl chloride	ND		0.020		ug/L			06/10/11 21:52	1
Acetone	ND		2.0		ug/L			06/10/11 21:52	1
2-Butanone	ND		2.0		ug/L			06/10/11 21:52	1
Carbon disulfide	ND		0.10		ug/L			06/10/11 21:52	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/10/11 21:52	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		75 - 120		06/10/11 21:52	1
Ethylbenzene-d10	100		75 - 125		06/10/11 21:52	1
Fluorobenzene (Surr)	104		70 - 130		06/10/11 21:52	1
Toluene-d8 (Surr)	101		75 - 125		06/10/11 21:52	1
Trifluorotoluene (Surr)	104		80 - 125		06/10/11 21:52	1

Lab Sample ID: LCS 580-87710/5

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorobenzene	5.00	4.26		ug/L		85	71 - 140
1,1-Dichloroethene	5.00	5.57		ug/L		111	78 - 151
Toluene	5.00	5.14		ug/L		103	80 - 126
Trichloroethene	5.00	5.08		ug/L		102	79 - 131

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		75 - 120
Ethylbenzene-d10	93		75 - 125
Fluorobenzene (Surr)	105		70 - 130
Toluene-d8 (Surr)	96		75 - 125
Trifluorotoluene (Surr)	122		80 - 125

Lab Sample ID: LCSD 580-87710/6

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	
								RPD	Limit
Benzene	5.00	5.13		ug/L		103	75 - 142	4	20
Chlorobenzene	5.00	4.83		ug/L		97	71 - 140	13	20
1,1-Dichloroethene	5.00	5.00		ug/L		100	78 - 151	11	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

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

Lab Sample ID: LCSD 580-87710/6

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	
Toluene	5.00	5.33		ug/L		107	80 - 126	4	20
Trichloroethene	5.00	4.58		ug/L		92	79 - 131	10	20

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		75 - 120
Ethylbenzene-d10	104		75 - 125
Fluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		75 - 125
Trifluorotoluene (Surr)	106		80 - 125

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-205123/23

Matrix: Water

Analysis Batch: 205123

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethane	ND		1.1		ug/L		06/06/11 15:53	1	
Ethylene	ND		1.0		ug/L		06/06/11 15:53	1	
Methane	ND		0.58		ug/L		06/06/11 15:53	1	

Lab Sample ID: LCS 680-205123/21

Matrix: Water

Analysis Batch: 205123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Ethane	282	312		ug/L		111	75 - 125	
Ethylene	271	309		ug/L		114	75 - 125	
Methane	153	170		ug/L		111	75 - 125	

Lab Sample ID: LCSD 680-205123/22

Matrix: Water

Analysis Batch: 205123

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	
Ethane	282	319		ug/L		113	75 - 125	2	30
Ethylene	271	310		ug/L		115	75 - 125	1	30
Methane	153	173		ug/L		113	75 - 125	1	30

Lab Sample ID: MB 680-205230/21

Matrix: Water

Analysis Batch: 205230

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethane	ND		1.1		ug/L		06/07/11 16:42	1	
Ethylene	ND		1.0		ug/L		06/07/11 16:42	1	
Methane	ND		0.58		ug/L		06/07/11 16:42	1	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-205230/19
Matrix: Water
Analysis Batch: 205230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Ethane	282	314		ug/L		111	75 - 125	
Ethylene	271	311		ug/L		115	75 - 125	
Methane	153	175		ug/L		114	75 - 125	

Lab Sample ID: LCSD 680-205230/20
Matrix: Water
Analysis Batch: 205230

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Ethane	282	301		ug/L		107	75 - 125	4	30	
Ethylene	271	299		ug/L		111	75 - 125	4	30	
Methane	153	168		ug/L		110	75 - 125	4	30	

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-87465/1-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87465

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/08/11 23:41	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin ketone	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/08/11 23:41	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		18 - 181				06/08/11 09:32	06/08/11 23:41	1
DCB Decachlorobiphenyl	69		53 - 122				06/08/11 09:32	06/08/11 23:41	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-87465/2-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Aldrin	0.200	0.180		ug/L		90	44 - 139	
alpha-BHC	0.200	0.208		ug/L		104	41 - 133	
beta-BHC	0.200	0.202		ug/L		101	54 - 130	
delta-BHC	0.200	0.197		ug/L		98	7 - 169	
gamma-BHC (Lindane)	0.200	0.217		ug/L		108	53 - 134	
4,4'-DDD	0.200	0.249		ug/L		125	40 - 152	
4,4'-DDE	0.200	0.228		ug/L		114	43 - 148	
4,4'-DDT	0.200	0.192		ug/L		96	37 - 162	
Dieldrin	0.200	0.247		ug/L		124	46 - 145	
Endosulfan I	0.200	0.237		ug/L		118	49 - 132	
Endosulfan II	0.200	0.268		ug/L		134	54 - 138	
Endosulfan sulfate	0.200	0.231		ug/L		116	48 - 130	
Endrin	0.200	0.257		ug/L		129	51 - 142	
Endrin aldehyde	0.200	0.235		ug/L		118	27 - 183	
Heptachlor	0.200	0.243		ug/L		122	53 - 130	
Heptachlor epoxide	0.200	0.237		ug/L		118	54 - 125	
Methoxychlor	0.200	0.250		ug/L		125	47 - 167	
Endrin ketone	0.200	0.253		ug/L		127	48 - 134	
alpha-Chlordane	0.200	0.226		ug/L		113	40 - 131	
gamma-Chlordane	0.200	0.227		ug/L		114	46 - 131	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	62		18 - 181
DCB Decachlorobiphenyl	64		53 - 122

Lab Sample ID: LCSD 580-87465/3-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits			
Aldrin	0.200	0.200		ug/L		100	44 - 139	11	38	
alpha-BHC	0.200	0.218		ug/L		109	41 - 133	5	41	
beta-BHC	0.200	0.211		ug/L		106	54 - 130	4	34	
delta-BHC	0.200	0.204		ug/L		102	7 - 169	3	49	
gamma-BHC (Lindane)	0.200	0.223		ug/L		112	53 - 134	3	42	
4,4'-DDD	0.200	0.266		ug/L		133	40 - 152	7	47	
4,4'-DDE	0.200	0.259		ug/L		130	43 - 148	13	43	
4,4'-DDT	0.200	0.210		ug/L		105	37 - 162	9	49	
Dieldrin	0.200	0.260		ug/L		130	46 - 145	5	39	
Endosulfan I	0.200	0.249		ug/L		124	49 - 132	5	40	
Endosulfan II	0.200	0.260		ug/L		130	54 - 138	3	37	
Endosulfan sulfate	0.200	0.240		ug/L		120	48 - 130	4	34	
Endrin	0.200	0.269		ug/L		135	51 - 142	5	41	
Endrin aldehyde	0.200	0.236		ug/L		118	27 - 183	0	43	
Heptachlor	0.200	0.259		ug/L		130	53 - 130	6	39	
Heptachlor epoxide	0.200	0.249		ug/L		124	54 - 125	5	35	
Methoxychlor	0.200	0.260		ug/L		130	47 - 167	4	37	
Endrin ketone	0.200	0.270	*	ug/L		135	48 - 134	7	37	
alpha-Chlordane	0.200	0.243		ug/L		122	40 - 131	7	43	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 580-87465/3-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits	RPD		
gamma-Chlordane	0.200	0.245		ug/L		122	46 - 131	8	40	
Surrogate										
		LCSD	LCSD				% Recovery	Qualifier	Limits	
Tetrachloro-m-xylene							73		18 - 181	
DCB Decachlorobiphenyl							78		53 - 122	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 580-87495/24-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 87495

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.0020		mg/L		06/08/11 13:08	06/09/11 09:50	5
Antimony	ND		0.0020		mg/L		06/08/11 13:08	06/09/11 09:50	5
Cadmium	ND		0.0020		mg/L		06/08/11 13:08	06/09/11 09:50	5
Copper	ND		0.0050		mg/L		06/08/11 13:08	06/09/11 09:50	5
Lead	ND		0.0020		mg/L		06/08/11 13:08	06/09/11 09:50	5
Manganese	ND		0.0020		mg/L		06/08/11 13:08	06/09/11 09:50	5
Zinc	ND		0.0070		mg/L		06/08/11 13:08	06/09/11 09:50	5

Lab Sample ID: LCS 580-87495/25-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Arsenic	4.00	4.08		mg/L		102	80 - 120	
Antimony	3.00	2.94		mg/L		98	80 - 120	
Cadmium	0.100	0.102		mg/L		102	80 - 120	
Copper	0.500	0.537		mg/L		107	80 - 120	
Lead	1.00	1.03		mg/L		103	80 - 120	
Manganese	1.00	1.02		mg/L		102	80 - 120	
Zinc	1.00	1.03		mg/L		103	80 - 120	

Lab Sample ID: LCSD 580-87495/26-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 87495

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	
Arsenic	4.00	4.04		mg/L		101	80 - 120	1	20
Antimony	3.00	2.92		mg/L		97	80 - 120	1	20
Cadmium	0.100	0.0994		mg/L		99	80 - 120	3	20
Copper	0.500	0.541		mg/L		108	80 - 120	1	20
Lead	1.00	1.02		mg/L		102	80 - 120	1	20
Manganese	1.00	1.02		mg/L		102	80 - 120	0	20
Zinc	1.00	1.03		mg/L		103	80 - 120	0	20

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 580-87495/27-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87495

Analyte	Spike Added	LCSSRM		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Arsenic	4.00	4.06		mg/L		101	80 - 120	
Antimony	3.00	2.93		mg/L		98	80 - 120	
Cadmium	0.100	0.101		mg/L		101	80 - 120	
Copper	0.500	0.541		mg/L		108	80 - 120	
Lead	1.00	1.03		mg/L		103	80 - 120	
Manganese	1.00	1.02		mg/L		102	80 - 120	
Zinc	1.00	1.03		mg/L		103	80 - 120	

Lab Sample ID: LCS 580-87583/25-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87583

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Arsenic	4.00	3.91		mg/L		98	80 - 120	
Antimony	3.00	2.87		mg/L		96	80 - 120	
Cadmium	0.100	0.101		mg/L		101	80 - 120	
Copper	0.500	0.504		mg/L		101	80 - 120	
Lead	1.00	0.987		mg/L		99	80 - 120	
Manganese	1.00	1.00		mg/L		100	80 - 120	
Zinc	1.00	0.975		mg/L		98	80 - 120	

Lab Sample ID: LCSD 580-87583/26-A
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 87583

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Arsenic	4.00	3.87		mg/L		97	80 - 120	1	20	
Antimony	3.00	2.88		mg/L		96	80 - 120	0	20	
Cadmium	0.100	0.100		mg/L		100	80 - 120	1	20	
Copper	0.500	0.499		mg/L		100	80 - 120	1	20	
Lead	1.00	0.996		mg/L		100	80 - 120	1	20	
Manganese	1.00	0.994		mg/L		99	80 - 120	1	20	
Zinc	1.00	1.01		mg/L		101	80 - 120	3	20	

Lab Sample ID: MB 580-87414/20-C
Matrix: Water
Analysis Batch: 87642

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 87583

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 19:49	5
Antimony	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 19:49	5
Cadmium	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 19:49	5
Copper	ND		0.0050		mg/L		06/09/11 10:30	06/09/11 19:49	5
Lead	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 19:49	5
Manganese	ND		0.0020		mg/L		06/09/11 10:30	06/09/11 19:49	5
Zinc	ND		0.0070		mg/L		06/09/11 10:30	06/09/11 19:49	5

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-87513/20-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87513

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:09	1

Lab Sample ID: LCS 580-87513/21-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00200	0.00213		mg/L		106	80 - 120	

Lab Sample ID: LCSD 580-87513/22-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	Limit
Mercury	0.00200	0.00214		mg/L		107	80 - 120	0	20

Lab Sample ID: LCSSRM 580-87513/23-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00200	0.00216		mg/L		108	75 - 125	

Lab Sample ID: LCS 580-87518/17-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00200	0.00218		mg/L		109	80 - 120	

Lab Sample ID: LCSD 580-87518/18-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	Limit
Mercury	0.00200	0.00218		mg/L		109	80 - 120	0	20

Lab Sample ID: LCSSRM 580-87518/19-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00200	0.00221		mg/L		110	75 - 125	

Lab Sample ID: MB 580-87431/9-B
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 87518

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:58	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-87175/3
Matrix: Water
Analysis Batch: 87175

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	ND		0.90		mg/L			06/02/11 10:14	1
Sulfate	ND		1.2		mg/L			06/02/11 10:14	1

Lab Sample ID: LCS 580-87175/4
Matrix: Water
Analysis Batch: 87175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate	15.0	14.6		mg/L		97	90 - 110

Lab Sample ID: MB 580-87181/3
Matrix: Water
Analysis Batch: 87181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	ND		0.90		mg/L			06/02/11 10:14	1

Lab Sample ID: LCS 580-87181/4
Matrix: Water
Analysis Batch: 87181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits

Method: 310.1 - Alkalinity

Lab Sample ID: MB 580-87824/1
Matrix: Water
Analysis Batch: 87824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Alkalinity	ND		5.0		mg/L			06/13/11 17:08	1

Lab Sample ID: LCS 580-87824/2
Matrix: Water
Analysis Batch: 87824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits

Method: 415.1 - TOC

Lab Sample ID: MB 580-87854/3
Matrix: Water
Analysis Batch: 87854

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon	ND		1.0		mg/L			06/13/11 13:41	1

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Method: 415.1 - TOC (Continued)

Lab Sample ID: LCS 580-87854/4
 Matrix: Water
 Analysis Batch: 87854

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
Total Organic Carbon	15.0	16.0		mg/L		107	85 - 115

Lab Sample ID: 580-26520-1 MS
 Matrix: Water
 Analysis Batch: 87854

Client Sample ID: MW-2-060111
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec Limits
Total Organic Carbon	1.5		10.0	11.0		mg/L		95	85 - 115

Lab Sample ID: 580-26520-1 DU
 Matrix: Water
 Analysis Batch: 87854

Client Sample ID: MW-2-060111
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	1.5		1.32		mg/L		12	20

- 1
- 2
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- 4
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- 8
- 9
- 10
- 11

Lab Chronicle

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-2-060111

Lab Sample ID: 580-26520-1

Date Collected: 06/01/11 09:34

Matrix: Water

Date Received: 06/02/11 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 01:34	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205230	06/07/11 18:20	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 00:39	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:24	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:12	FCW	TAL SEA
Total Recoverable	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87642	06/09/11 21:18	FCW	TAL SEA
Dissolved	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Dissolved	Analysis	6020		5	87642	06/09/11 21:41	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87175	06/02/11 17:37	AM	TAL SEA
Total/NA	Analysis	300.0		1	87181	06/02/11 17:37	AM	TAL SEA
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	87854	06/13/11 13:41	AM	TAL SEA

Client Sample ID: MW-6-060111

Lab Sample ID: 580-26520-2

Date Collected: 06/01/11 10:52

Matrix: Water

Date Received: 06/02/11 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 02:09	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205123	06/06/11 19:49	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 00:59	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:30	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:14	FCW	TAL SEA
Total Recoverable	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87642	06/09/11 21:24	FCW	TAL SEA
Dissolved	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Dissolved	Analysis	6020		5	87642	06/09/11 21:47	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87175	06/02/11 17:53	AM	TAL SEA
Total/NA	Analysis	300.0		5	87175	06/03/11 10:42	AM	TAL SEA
Total/NA	Analysis	300.0		1	87181	06/02/11 17:53	AM	TAL SEA
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	87854	06/13/11 13:41	AM	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Client Sample ID: MW-4-060111

Lab Sample ID: 580-26520-3

Date Collected: 06/01/11 13:17

Matrix: Water

Date Received: 06/02/11 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 02:40	SK	TAL SEA
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 01:18	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:31	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:19	FCW	TAL SEA
Total Recoverable	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87642	06/09/11 21:30	FCW	TAL SEA
Dissolved	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Dissolved	Analysis	6020		5	87642	06/09/11 21:53	FCW	TAL SEA

Client Sample ID: MW-3-060111

Lab Sample ID: 580-26520-4

Date Collected: 06/01/11 14:18

Matrix: Water

Date Received: 06/02/11 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 03:05	SK	TAL SEA
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 01:38	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:33	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:21	FCW	TAL SEA
Total Recoverable	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87642	06/09/11 21:36	FCW	TAL SEA
Dissolved	Prep	3005A			87583	06/09/11 10:30	ZF	TAL SEA
Dissolved	Analysis	6020		5	87642	06/09/11 21:59	FCW	TAL SEA

Client Sample ID: TRIP BLANK

Lab Sample ID: 580-26520-5

Date Collected: 06/01/11 00:00

Matrix: Water

Date Received: 06/02/11 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/10/11 23:08	SK	TAL SEA

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04

Certification Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26520-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26520-1	MW-2-060111	Water	06/01/11 09:34	06/02/11 09:50
580-26520-2	MW-6-060111	Water	06/01/11 10:52	06/02/11 09:50
580-26520-3	MW-4-060111	Water	06/01/11 13:17	06/02/11 09:50
580-26520-4	MW-3-060111	Water	06/01/11 14:18	06/02/11 09:50
580-26520-5	TRIP BLANK	Water	06/01/11 00:00	06/02/11 09:50

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Furuller

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush

Short Hold

**Chain of
Custody Record**

Client <i>Furuller</i>		Client Contact <i>Brett Corp</i>		Date <i>6-01-11</i>	Chain of Custody Number <i>11247</i>
Address		Telephone Number (Area Code)/Fax Number <i>(425) 295-0800</i>		Lab Number <i>26520</i>	Page <i>1</i> of <i>1</i>

City <i>Issaquah</i>	State <i>WA</i>	Zip Code <i>98027</i>	Sampler <i>R. Hibbs</i>	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) <i>YSF Yakima WA</i>			Billing Contact		

Contract/Purchase Order/Quote No. <i>765-001</i>		Matrix	Containers & Preservatives	Special Instructions/ Conditions of Receipt
---	--	--------	----------------------------	--

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis	Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH						
<i>MW-2-060111</i>	<i>6-1-11</i>	<i>0734</i>	<i>X</i>				<i>3</i>	<i>1</i>		<i>6</i>	<i>1</i>							
<i>MW-6-060111</i>	<i>L</i>	<i>1052</i>	<i>X</i>				<i>3</i>	<i>1</i>		<i>6</i>	<i>1</i>							<i>6/2/11</i>
<i>MW-4-060111</i>	<i>L</i>	<i>1317</i>	<i>X</i>				<i>3</i>	<i>1</i>		<i>3</i>	<i>1</i>							
<i>MW-3-060111</i>	<i>L</i>	<i>1418</i>	<i>X</i>				<i>3</i>	<i>1</i>		<i>3</i>	<i>1</i>							
<i>TRIP BLANK</i>																		

*vocs 2000
organics
pesticides
test (D) metals
Alkalinity
Sulfate
Nitrate
TOC
Chloride
mercury
Fluoride*

*Cooler/CB Dig/IR cor 1.3°C unc 1.8°C Cooler/CB Dig/IR cor 1.1°C unc 1.1°C
Cooler Dsc by Green/Bl @ Lab 0950 Cooler Dsc by Blue/W/1.2 @ Lab 0950
Wet/Packs Packing Bubble wrap #2 Wet/Packs Packing Bubble wrap #2*

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
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Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input type="checkbox"/> Other _____	QC Requirements (Specify)
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1. Relinquished By Sign/Print <i>Ryan Hibbs</i>	Date <i>6-1-11</i>	Time <i>1600</i>	1. Received By Sign/Print <i>Francisco Luna, Jr.</i>	Date <i>6/2/11</i>	Time
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26520-1

Login Number: 26520

List Source: TestAmerica Seattle

List Number: 1

Creator: Luna, Francisco

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers received broken. No volume could be salvaged for analysis.
Sample collection date/times are provided.	False	One sample set without sample time. Logged in per COC.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26520-1

Login Number: 26520

List Source: TestAmerica Savannah

List Number: 1

List Creation: 06/04/11 10:06 AM

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26530-1
Client Project/Site: YSF Yakima WA
Revision: 1

For:
Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:28:36 PM
Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com

Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

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www.testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Job ID: 580-26530-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative 580-26530-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The Trifluorotoluene (TFT) surrogate recovery for the blank associated with batch 580-87535 was outside recovery limits. As the deficient recovery indicated a potential high bias, no target compounds were detected in the method blank above the reporting limit, and all associated sample TFT surrogate recoveries fell within acceptance criteria, the data have been reported.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: I-TP4-052711-2.5 (580-26530-1), I-TP6-052711-4.5 (580-26530-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The target compound Carbon Disulfide was added by the client after sample data had been calculated and reported. Therefore the detected concentration of Carbon Disulfide in sample 580-26530-10 was not known at time of initial data work up.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A: The continuing calibration verification (CCV) for analytical batch 87956 exceeded control criteria low for DDT and DCB. The closing CCV also failed on re-analysis confirming matrix interference as the reason for CCV failure. Original results have been reported and qualified "A".

Method(s) NWTPH-Dx:

For sample 580-26530-1, the results in the C10-C24 range are due to a mixture of heavily weathered diesel fuel and overlapping results from the motor oil range.

For sample 580-26530-10, the results in the C10-C24 range are due to what most closely resembles a mineral oil range product.

The affected analyte ranges have been qualified with the "Y" qualifier and reported.

Method(s) NWTPH-HCID:

For sample 580-26530-1, the results in the C12-C24 range are due to a mixture of heavily weathered diesel fuel and overlapping results from the motor oil range.

For sample 580-26530-10, the results in the C12-C24 range are due to what most closely resembles a mineral oil range product.

The affected analyte ranges are qualified with the "Y" qualifier and reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The absolute value for Cd is higher than the RL. The associated ICB, MB and CCB's were all within limits sample qualified "L". No bias is indicated.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Job ID: 580-26530-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

Organic Prep

No analytical or quality issues were noted.

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Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Metals

Qualifier	Qualifier Description
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP4-052711-2.5

Lab Sample ID: 580-26530-1

Date Collected: 05/27/11 07:45

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 91.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chloromethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Vinyl chloride	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Bromomethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Trichlorofluoromethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1-Dichloroethene	ND		5.6		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Methylene Chloride	ND		17		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1-Dichloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
2,2-Dichloropropane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chlorobromomethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chloroform	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Carbon tetrachloride	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1-Dichloropropene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Benzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2-Dichloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Trichloroethene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2-Dichloropropane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Dibromomethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Dichlorobromomethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Toluene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Tetrachloroethene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,3-Dichloropropane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chlorodibromomethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Ethylene Dibromide	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Chlorobenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Ethylbenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
m-Xylene & p-Xylene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
o-Xylene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Styrene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Bromoform	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Isopropylbenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Bromobenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
N-Propylbenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
2-Chlorotoluene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,3,5-Trimethylbenzene	ND		5.6		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
4-Chlorotoluene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
tert-Butylbenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
sec-Butylbenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP4-052711-2.5

Lab Sample ID: 580-26530-1

Date Collected: 05/27/11 07:45

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 91.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
n-Butylbenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2-Dibromo-3-Chloropropane	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Hexachlorobutadiene	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Naphthalene	ND		5.6		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Methyl tert-butyl ether	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Carbon disulfide	ND		1.1		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
Acetone	ND		17		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
4-Methyl-2-pentanone	ND		5.6		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1
2-Butanone	ND		5.6		ug/Kg	*	06/08/11 17:34	06/08/11 23:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	94		80 - 120	06/08/11 17:34	06/08/11 23:31	1
Toluene-d8 (Surr)	98		80 - 120	06/08/11 17:34	06/08/11 23:31	1
Ethylbenzene-d10	161	X	70 - 120	06/08/11 17:34	06/08/11 23:31	1
4-Bromofluorobenzene (Surr)	132	X	70 - 120	06/08/11 17:34	06/08/11 23:31	1
Trifluorotoluene (Surr)	89		65 - 140	06/08/11 17:34	06/08/11 23:31	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120	Y	27		mg/Kg	*	06/10/11 11:21	06/21/11 13:24	1
Motor Oil (>C24-C36)	930		54		mg/Kg	*	06/10/11 11:21	06/21/11 13:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	104		50 - 150	06/10/11 11:21	06/21/11 13:24	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) - DL

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1400		210		mg/Kg	*	06/10/11 08:19	06/13/11 11:04	2
Gasoline	ND		43		mg/Kg	*	06/10/11 08:19	06/13/11 11:04	2
#2 Diesel (>C12-C24)	190	Y	110		mg/Kg	*	06/10/11 08:19	06/13/11 11:04	2

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	06/10/11 08:19	06/13/11 11:04	2
4-Bromofluorobenzene (Surr)	136		50 - 150	06/10/11 08:19	06/13/11 11:04	2

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			06/09/11 14:09	1
Percent Moisture	8.1		0.10		%			06/09/11 14:09	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP4-052711-8.0

Lab Sample ID: 580-26530-3

Date Collected: 05/27/11 07:55

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chloromethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Vinyl chloride	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Bromomethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Trichlorofluoromethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1-Dichloroethene	ND		5.7		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Methylene Chloride	ND		17		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1-Dichloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
2,2-Dichloropropane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chlorobromomethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chloroform	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Carbon tetrachloride	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1-Dichloropropene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Benzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2-Dichloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Trichloroethene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2-Dichloropropane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Dibromomethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Dichlorobromomethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Toluene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Tetrachloroethene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,3-Dichloropropane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chlorodibromomethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Ethylene Dibromide	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Chlorobenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Ethylbenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
m-Xylene & p-Xylene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
o-Xylene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Styrene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Bromoform	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Isopropylbenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Bromobenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
N-Propylbenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
2-Chlorotoluene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,3,5-Trimethylbenzene	ND		5.7		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
4-Chlorotoluene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
tert-Butylbenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
sec-Butylbenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP4-052711-8.0

Lab Sample ID: 580-26530-3

Date Collected: 05/27/11 07:55

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
n-Butylbenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2-Dibromo-3-Chloropropane	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Hexachlorobutadiene	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Naphthalene	ND		5.7		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Methyl tert-butyl ether	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Carbon disulfide	ND		1.1		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
Acetone	ND		17		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
4-Methyl-2-pentanone	ND		5.7		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1
2-Butanone	ND		5.7		ug/Kg	☼	06/08/11 17:34	06/08/11 23:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	95		80 - 120	06/08/11 17:34	06/08/11 23:55	1
Toluene-d8 (Surr)	102		80 - 120	06/08/11 17:34	06/08/11 23:55	1
Ethylbenzene-d10	108		70 - 120	06/08/11 17:34	06/08/11 23:55	1
4-Bromofluorobenzene (Surr)	105		70 - 120	06/08/11 17:34	06/08/11 23:55	1
Trifluorotoluene (Surr)	88		65 - 140	06/08/11 17:34	06/08/11 23:55	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/10/11 08:19	06/13/11 11:51	1
Gasoline	ND		23		mg/Kg	☼	06/10/11 08:19	06/13/11 11:51	1
#2 Diesel (>C12-C24)	ND		57		mg/Kg	☼	06/10/11 08:19	06/13/11 11:51	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	06/10/11 08:19	06/13/11 11:51	1
4-Bromofluorobenzene (Surr)	123		50 - 150	06/10/11 08:19	06/13/11 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/09/11 14:09	1
Percent Moisture	14		0.10		%			06/09/11 14:09	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP5-052711-4.5

Lab Sample ID: 580-26530-5

Date Collected: 05/27/11 08:25

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 72.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chloromethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Vinyl chloride	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Bromomethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Trichlorofluoromethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1-Dichloroethene	ND		7.2		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Methylene Chloride	ND		21		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
trans-1,2-Dichloroethene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1-Dichloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
2,2-Dichloropropane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
cis-1,2-Dichloroethene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chlorobromomethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chloroform	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1,1-Trichloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Carbon tetrachloride	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1-Dichloropropene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Benzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2-Dichloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Trichloroethene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2-Dichloropropane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Dibromomethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Dichlorobromomethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
cis-1,3-Dichloropropene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Toluene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
trans-1,3-Dichloropropene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1,2-Trichloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Tetrachloroethene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,3-Dichloropropane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chlorodibromomethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Ethylene Dibromide	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Chlorobenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Ethylbenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1,1,2-Tetrachloroethane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,1,2,2-Tetrachloroethane	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
m-Xylene & p-Xylene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
o-Xylene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Styrene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Bromoform	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Isopropylbenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Bromobenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
N-Propylbenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2,3-Trichloropropane	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
2-Chlorotoluene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,3,5-Trimethylbenzene	ND		7.2		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
4-Chlorotoluene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
tert-Butylbenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2,4-Trimethylbenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
sec-Butylbenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,3-Dichlorobenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP5-052711-4.5

Lab Sample ID: 580-26530-5

Date Collected: 05/27/11 08:25

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 72.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,4-Dichlorobenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
n-Butylbenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2-Dichlorobenzene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2-Dibromo-3-Chloropropane	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2,4-Trichlorobenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
1,2,3-Trichlorobenzene	ND		2.9		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Hexachlorobutadiene	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Naphthalene	ND		7.2		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Methyl tert-butyl ether	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Carbon disulfide	ND		1.4		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
Acetone	ND		21		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
4-Methyl-2-pentanone	ND		7.2		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1
2-Butanone	ND		7.2		ug/Kg	*	06/08/11 17:34	06/09/11 00:20	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	95		80 - 120	06/08/11 17:34	06/09/11 00:20	1
Toluene-d8 (Surr)	100		80 - 120	06/08/11 17:34	06/09/11 00:20	1
Ethylbenzene-d10	111		70 - 120	06/08/11 17:34	06/09/11 00:20	1
4-Bromofluorobenzene (Surr)	107		70 - 120	06/08/11 17:34	06/09/11 00:20	1
Trifluorotoluene (Surr)	77		65 - 140	06/08/11 17:34	06/09/11 00:20	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		130		mg/Kg	*	06/10/11 08:19	06/13/11 12:14	1
Gasoline	ND		26		mg/Kg	*	06/10/11 08:19	06/13/11 12:14	1
#2 Diesel (>C12-C24)	ND		65		mg/Kg	*	06/10/11 08:19	06/13/11 12:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	06/10/11 08:19	06/13/11 12:14	1
4-Bromofluorobenzene (Surr)	114		50 - 150	06/10/11 08:19	06/13/11 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	73		0.10		%			06/09/11 14:09	1
Percent Moisture	27		0.10		%			06/09/11 14:09	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: A-TP1-052711-5.0

Lab Sample ID: 580-26530-7

Date Collected: 05/27/11 08:50

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 82.1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
alpha-BHC	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
beta-BHC	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
delta-BHC	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
gamma-BHC (Lindane)	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
4,4'-DDD	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
4,4'-DDE	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
4,4'-DDT	ND	^	2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Dieldrin	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endosulfan I	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endosulfan II	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endosulfan sulfate	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endrin	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endrin aldehyde	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Heptachlor	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Heptachlor epoxide	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Methoxychlor	ND		11		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Endrin ketone	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Toxaphene	ND		110		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
alpha-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
gamma-Chlordane	ND		1.1		ug/Kg	☼	06/07/11 15:20	06/15/11 22:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		49 - 123				06/07/11 15:20	06/15/11 22:05	1
DCB Decachlorobiphenyl	69		40 - 158				06/07/11 15:20	06/15/11 22:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Lead	6.3		1.5		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Antimony	ND		2.9		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Cadmium	ND		0.49		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Copper	24		0.98		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Manganese	170		0.98		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1
Zinc	830		2.0		mg/Kg	☼	06/08/11 10:22	06/08/11 18:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019		mg/Kg	☼	06/13/11 09:30	06/13/11 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%			06/08/11 10:25	1
Percent Moisture	18		0.10		%			06/08/11 10:25	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: A-TP2-052711-5.0

Lab Sample ID: 580-26530-8

Date Collected: 05/27/11 09:10

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 84.4

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
alpha-BHC	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
beta-BHC	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
delta-BHC	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
gamma-BHC (Lindane)	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
4,4'-DDD	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
4,4'-DDE	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
4,4'-DDT	ND	^	2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Dieldrin	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endosulfan I	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endosulfan II	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endosulfan sulfate	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endrin	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endrin aldehyde	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Heptachlor	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Heptachlor epoxide	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Methoxychlor	ND		12		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Endrin ketone	ND		2.3		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Toxaphene	ND		120		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
alpha-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
gamma-Chlordane	ND		1.2		ug/Kg	☼	06/07/11 15:20	06/15/11 22:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		49 - 123				06/07/11 15:20	06/15/11 22:25	1
DCB Decachlorobiphenyl	64		40 - 158				06/07/11 15:20	06/15/11 22:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Lead	5.9		1.5		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Antimony	ND		3.1		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Cadmium	ND	L	0.51		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Copper	23		1.0		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Manganese	310		1.0		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1
Zinc	54		2.0		mg/Kg	☼	06/08/11 10:22	06/08/11 19:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.017		mg/Kg	☼	06/13/11 09:30	06/13/11 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%			06/08/11 10:25	1
Percent Moisture	16		0.10		%			06/08/11 10:25	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP6-052711-4.5

Lab Sample ID: 580-26530-10

Date Collected: 05/27/11 09:35

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 57.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chloromethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Vinyl chloride	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Bromomethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Trichlorofluoromethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1-Dichloroethene	ND		8.9		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Methylene Chloride	ND		27		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
trans-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1-Dichloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
2,2-Dichloropropane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
cis-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chlorobromomethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chloroform	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1,1-Trichloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Carbon tetrachloride	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1-Dichloropropene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Benzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2-Dichloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Trichloroethene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2-Dichloropropane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Dibromomethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Dichlorobromomethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
cis-1,3-Dichloropropene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Toluene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1,2-Trichloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Tetrachloroethene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,3-Dichloropropane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chlorodibromomethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Ethylene Dibromide	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Chlorobenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Ethylbenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1,1,2-Tetrachloroethane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,1,2,2-Tetrachloroethane	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
m-Xylene & p-Xylene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
o-Xylene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Styrene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Bromoform	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Isopropylbenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Bromobenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
N-Propylbenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
2-Chlorotoluene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,3,5-Trimethylbenzene	ND		8.9		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
4-Chlorotoluene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
tert-Butylbenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2,4-Trimethylbenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
sec-Butylbenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,3-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP6-052711-4.5

Lab Sample ID: 580-26530-10

Date Collected: 05/27/11 09:35

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 57.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,4-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
n-Butylbenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2-Dibromo-3-Chloropropane	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2,4-Trichlorobenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
1,2,3-Trichlorobenzene	ND		3.6		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Hexachlorobutadiene	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Naphthalene	ND		8.9		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Methyl tert-butyl ether	ND		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Carbon disulfide	1.9		1.8		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
Acetone	ND		27		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
4-Methyl-2-pentanone	ND		8.9		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1
2-Butanone	ND		8.9		ug/Kg	☼	06/08/11 17:34	06/09/11 00:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluorobenzene (Surr)	96		80 - 120	06/08/11 17:34	06/09/11 00:44	1
Toluene-d8 (Surr)	96		80 - 120	06/08/11 17:34	06/09/11 00:44	1
Ethylbenzene-d10	193	X	70 - 120	06/08/11 17:34	06/09/11 00:44	1
4-Bromofluorobenzene (Surr)	129	X	70 - 120	06/08/11 17:34	06/09/11 00:44	1
Trifluorotoluene (Surr)	92		65 - 140	06/08/11 17:34	06/09/11 00:44	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	98	Y	43		mg/Kg	☼	06/10/11 11:21	06/21/11 14:03	1
Motor Oil (>C24-C36)	91		86		mg/Kg	☼	06/10/11 11:21	06/21/11 14:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150	06/10/11 11:21	06/21/11 14:03	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		170		mg/Kg	☼	06/10/11 08:19	06/13/11 12:37	1
Gasoline	ND		35		mg/Kg	☼	06/10/11 08:19	06/13/11 12:37	1
#2 Diesel (>C12-C24)	120	Y	86		mg/Kg	☼	06/10/11 08:19	06/13/11 12:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	100		50 - 150	06/10/11 08:19	06/13/11 12:37	1
4-Bromofluorobenzene (Surr)	129		50 - 150	06/10/11 08:19	06/13/11 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	57		0.10		%			06/09/11 14:09	1
Percent Moisture	43		0.10		%			06/09/11 14:09	1

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

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

Lab Sample ID: MB 580-87534/1-A
Matrix: Solid
Analysis Batch: 87535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87534

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Vinyl chloride	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Methylene Chloride	ND		15		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2,2-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorobromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chloroform	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Benzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Trichloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Dibromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Toluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Tetrachloroethene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,3-Dichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorodibromomethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Chlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Ethylbenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
o-Xylene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Styrene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromoform	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Isopropylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Bromobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
N-Propylbenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

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

Lab Sample ID: MB 580-87534/1-A

Matrix: Solid

Analysis Batch: 87535

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87534

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
n-Butylbenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Hexachlorobutadiene	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Naphthalene	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Carbon disulfide	ND		1.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
Acetone	ND		15		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
4-Methyl-2-pentanone	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1
2-Butanone	ND		5.0		ug/Kg		06/08/11 17:34	06/08/11 17:51	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Fluorobenzene (Surr)	100		80 - 120	06/08/11 17:34	06/08/11 17:51	1
Toluene-d8 (Surr)	104		80 - 120	06/08/11 17:34	06/08/11 17:51	1
Ethylbenzene-d10	105		70 - 120	06/08/11 17:34	06/08/11 17:51	1
4-Bromofluorobenzene (Surr)	108		70 - 120	06/08/11 17:34	06/08/11 17:51	1
Trifluorotoluene (Surr)	141	X	65 - 140	06/08/11 17:34	06/08/11 17:51	1

Lab Sample ID: LCS 580-87534/2-A

Matrix: Solid

Analysis Batch: 87535

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87534

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethene	40.0	37.0		ug/Kg		93	65 - 135
Benzene	40.0	43.7		ug/Kg		109	75 - 125
Trichloroethene	40.0	44.5		ug/Kg		111	75 - 125
Toluene	40.0	44.6		ug/Kg		112	70 - 125
Chlorobenzene	40.0	45.8		ug/Kg		115	75 - 125

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 120
Ethylbenzene-d10	110		70 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Trifluorotoluene (Surr)	120		65 - 140

Lab Sample ID: LCSD 580-87534/3-A

Matrix: Solid

Analysis Batch: 87535

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87534

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
1,1-Dichloroethene	40.0	33.5		ug/Kg		84	65 - 135	10	30
Benzene	40.0	38.9		ug/Kg		97	75 - 125	12	30
Trichloroethene	40.0	39.4		ug/Kg		99	75 - 125	12	30

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

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

Lab Sample ID: LCSD 580-87534/3-A

Matrix: Solid

Analysis Batch: 87535

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	RPD Limit
							Limits	RPD		
Toluene	40.0	39.1		ug/Kg		98	70 - 125	13		30
Chlorobenzene	40.0	41.2		ug/Kg		103	75 - 125	11		30

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
Fluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120
Ethylbenzene-d10	106		70 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Trifluorotoluene (Surr)	107		65 - 140

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-87424/1-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87424

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
alpha-BHC	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
beta-BHC	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
delta-BHC	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
gamma-BHC (Lindane)	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
4,4'-DDD	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
4,4'-DDE	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
4,4'-DDT	ND	^	2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Dieldrin	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endosulfan I	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endosulfan II	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endosulfan sulfate	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endrin	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endrin aldehyde	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Heptachlor	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Heptachlor epoxide	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Methoxychlor	ND		10		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Endrin ketone	ND		2.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
Toxaphene	ND		100		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
alpha-Chlordane	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1
gamma-Chlordane	ND		1.0		ug/Kg		06/07/11 15:20	06/15/11 21:07	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	92		49 - 123	06/07/11 15:20	06/15/11 21:07	1
DCB Decachlorobiphenyl	90		40 - 158	06/07/11 15:20	06/15/11 21:07	1

Lab Sample ID: LCS 580-87424/2-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Aldrin	20.0	19.0		ug/Kg		95	53 - 126	

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-87424/2-A

Matrix: Solid

Analysis Batch: 87956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87424

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
	Added	Result	Qualifier				
alpha-BHC	20.0	18.4		ug/Kg		92	41 - 128
beta-BHC	20.0	18.4		ug/Kg		92	48 - 121
delta-BHC	20.0	19.0		ug/Kg		95	22 - 153
gamma-BHC (Lindane)	20.0	17.9		ug/Kg		90	50 - 127
4,4'-DDD	20.0	19.5		ug/Kg		98	44 - 141
4,4'-DDE	20.0	19.2		ug/Kg		96	47 - 140
4,4'-DDT	20.0	14.9	^	ug/Kg		75	34 - 159
Dieldrin	20.0	18.8		ug/Kg		94	53 - 134
Endosulfan I	20.0	18.4		ug/Kg		92	52 - 122
Endosulfan II	20.0	18.3		ug/Kg		92	53 - 132
Endosulfan sulfate	20.0	18.2		ug/Kg		91	42 - 128
Endrin	20.0	18.8		ug/Kg		94	46 - 138
Endrin aldehyde	20.0	17.6		ug/Kg		88	12 - 179
Heptachlor	20.0	19.7		ug/Kg		99	50 - 130
Heptachlor epoxide	20.0	18.7		ug/Kg		94	49 - 123
Methoxychlor	20.0	15.4		ug/Kg		77	46 - 154
Endrin ketone	20.0	18.9		ug/Kg		95	45 - 127
alpha-Chlordane	20.0	18.3		ug/Kg		92	46 - 118
gamma-Chlordane	20.0	18.4		ug/Kg		92	49 - 122

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	89		49 - 123
DCB Decachlorobiphenyl	85		40 - 158

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-88457/1-B

Matrix: Solid

Analysis Batch: 88400

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88457

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/10/11 11:21	06/21/11 12:45	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/10/11 11:21	06/21/11 12:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
o-Terphenyl	97		50 - 150	06/10/11 11:21	06/21/11 12:45	1

Lab Sample ID: LCS 580-88457/2-B

Matrix: Solid

Analysis Batch: 88400

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88457

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
	Added	Result	Qualifier				
#2 Diesel (C10-C24)	500	496		mg/Kg		99	64 - 127
Motor Oil (>C24-C36)	500	490		mg/Kg		98	70 - 125

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
o-Terphenyl	100		50 - 150

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 580-26530-1 DU
Matrix: Solid
Analysis Batch: 88400

Client Sample ID: I-TP4-052711-2.5
Prep Type: Total/NA
Prep Batch: 88457

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
#2 Diesel (C10-C24)	120	Y	129		mg/Kg	☼	7	35
Motor Oil (>C24-C36)	930		1190		mg/Kg	☼	24	35
DU DU								
Surrogate	% Recovery	Qualifier	Limits					
<i>o</i> -Terphenyl	104		50 - 150					

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-87656/1-A
Matrix: Solid
Analysis Batch: 87739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87656

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Motor Oil	ND		100		mg/Kg		06/10/11 08:19	06/13/11 10:17	1
Gasoline	ND		20		mg/Kg		06/10/11 08:19	06/13/11 10:17	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/10/11 08:19	06/13/11 10:17	1
MB MB									
Surrogate	% Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac		
<i>o</i> -Terphenyl	95		50 - 150		06/10/11 08:19	06/13/11 10:17	1		
<i>4</i> -Bromofluorobenzene (Surr)	122		50 - 150		06/10/11 08:19	06/13/11 10:17	1		

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) - DL

Lab Sample ID: 580-26530-1 DU
Matrix: Solid
Analysis Batch: 87739

Client Sample ID: I-TP4-052711-2.5
Prep Type: Total/NA
Prep Batch: 87656

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Motor Oil - DL	1400		1410		mg/Kg	☼	1	35
Gasoline - DL	ND		ND		mg/Kg	☼	NC	35
#2 Diesel (>C12-C24) - DL	190	Y	149		mg/Kg	☼	26	35
DU DU								
Surrogate	% Recovery	Qualifier	Limits					
<i>o</i> -Terphenyl - DL	68		50 - 150					
<i>4</i> -Bromofluorobenzene (Surr) - DL	99		50 - 150					

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 580-87474/20-A
Matrix: Solid
Analysis Batch: 87526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Arsenic	200	187		mg/Kg		94	80 - 120	
Lead	50.0	48.9		mg/Kg		98	80 - 120	
Antimony	150	130		mg/Kg		86	80 - 120	
Cadmium	5.00	4.72		mg/Kg		94	80 - 120	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-87474/20-A
Matrix: Solid
Analysis Batch: 87526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Copper	25.0	23.7		mg/Kg		95	80 - 120	
Manganese	50.0	48.6		mg/Kg		97	80 - 120	
Zinc	50.0	46.1		mg/Kg		92	80 - 120	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-87690/22-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87690

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.017		mg/Kg		06/13/11 09:30	06/13/11 12:55	1

Lab Sample ID: LCS 580-87690/23-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.167	0.178		mg/Kg		106	80 - 120	

Lab Sample ID: LCSD 580-87690/24-A
Matrix: Solid
Analysis Batch: 87796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87690

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	Limit
Mercury	0.167	0.179		mg/Kg		107	80 - 120	1	20

Method: Moisture - Percent Moisture

Lab Sample ID: 580-26530-1 DU
Matrix: Solid
Analysis Batch: 87620

Client Sample ID: I-TP4-052711-2.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU DU		Unit	D	RPD	RPD	
			Result	Qualifier				RPD	Limit
Percent Solids	92		91		%		1	20	
Percent Moisture	8.1		9.4		%		15	20	

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: I-TP4-052711-2.5

Lab Sample ID: 580-26530-1

Date Collected: 05/27/11 07:45

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/08/11 23:31	SK	TAL SEA
Total/NA	Prep	3550B	DL		87656	06/10/11 08:19	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID	DL	2	87739	06/13/11 11:04	EK	TAL SEA
Total/NA	Prep	3550B			88457	06/10/11 11:21	SP	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	88400	06/21/11 13:24	EK	TAL SEA
Total/NA	Analysis	Moisture		1	87620	06/09/11 14:09	JMB	TAL SEA

Client Sample ID: I-TP4-052711-8.0

Lab Sample ID: 580-26530-3

Date Collected: 05/27/11 07:55

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/08/11 23:55	SK	TAL SEA
Total/NA	Prep	3550B			87656	06/10/11 08:19	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87739	06/13/11 11:51	EK	TAL SEA
Total/NA	Analysis	Moisture		1	87620	06/09/11 14:09	JMB	TAL SEA

Client Sample ID: I-TP5-052711-4.5

Lab Sample ID: 580-26530-5

Date Collected: 05/27/11 08:25

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/09/11 00:20	SK	TAL SEA
Total/NA	Prep	3550B			87656	06/10/11 08:19	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87739	06/13/11 12:14	EK	TAL SEA
Total/NA	Analysis	Moisture		1	87620	06/09/11 14:09	JMB	TAL SEA

Client Sample ID: A-TP1-052711-5.0

Lab Sample ID: 580-26530-7

Date Collected: 05/27/11 08:50

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87424	06/07/11 15:20	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 22:05	CM	TAL SEA
Total/NA	Prep	3050B			87474	06/08/11 10:22	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87552	06/08/11 18:58	SP	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:22	FCW	TAL SEA
Total/NA	Analysis	Moisture		1	87475	06/08/11 10:25	JMB	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Client Sample ID: A-TP2-052711-5.0

Lab Sample ID: 580-26530-8

Date Collected: 05/27/11 09:10

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			87424	06/07/11 15:20	KKW	TAL SEA
Total/NA	Analysis	8081A		1	87956	06/15/11 22:25	CM	TAL SEA
Total/NA	Prep	3050B			87474	06/08/11 10:22	PAB	TAL SEA
Total/NA	Analysis	6010B		1	87552	06/08/11 19:04	SP	TAL SEA
Total/NA	Prep	7471A			87690	06/13/11 09:30	ZF	TAL SEA
Total/NA	Analysis	7471A		1	87796	06/13/11 13:24	FCW	TAL SEA
Total/NA	Analysis	Moisture		1	87475	06/08/11 10:25	JMB	TAL SEA

Client Sample ID: I-TP6-052711-4.5

Lab Sample ID: 580-26530-10

Date Collected: 05/27/11 09:35

Matrix: Solid

Date Received: 06/01/11 14:20

Percent Solids: 57.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			87534	06/08/11 17:34	SK	TAL SEA
Total/NA	Analysis	8260B		1	87535	06/09/11 00:44	SK	TAL SEA
Total/NA	Prep	3550B			87656	06/10/11 08:19	KKW	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	87739	06/13/11 12:37	EK	TAL SEA
Total/NA	Prep	3550B			88457	06/10/11 11:21	SP	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	88400	06/21/11 14:03	EK	TAL SEA
Total/NA	Analysis	Moisture		1	87620	06/09/11 14:09	JMB	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima WA

TestAmerica Job ID: 580-26530-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26530-1	I-TP4-052711-2.5	Solid	05/27/11 07:45	06/01/11 14:20
580-26530-3	I-TP4-052711-8.0	Solid	05/27/11 07:55	06/01/11 14:20
580-26530-5	I-TP5-052711-4.5	Solid	05/27/11 08:25	06/01/11 14:20
580-26530-7	A-TP1-052711-5.0	Solid	05/27/11 08:50	06/01/11 14:20
580-26530-8	A-TP2-052711-5.0	Solid	05/27/11 09:10	06/01/11 14:20
580-26530-10	I-TP6-052711-4.5	Solid	05/27/11 09:35	06/01/11 14:20

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- 9
- 10
- 11

Parallon

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

Rush

Short Hold

**Chain of
Custody Record**

Client <i>Parallon</i>		Client Contact <i>Brett Corp</i>		Date <i>5-28-11</i>	Chain of Custody Number <i>11273</i>
Address		Telephone Number (Area Code)/Fax Number <i>(425) 295-0200</i>		Lab Number <i>26530</i>	Page <i>1</i> of <i>1</i>

City <i>Issaquah</i>	State <i>WA</i>	Zip Code <i>98027</i>	Sampler <i>R. Hibbs</i>	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <i>YSF Yukon WA</i>			Billing Contact			

Contract/Purchase Order/Quote No. <i>765-001</i>	Matrix	Containers & Preservatives
---	--------	----------------------------

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives											
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH							
<i>I-TP4-052711-2.5</i>	<i>5-27-11</i>	<i>0745</i>				<i>X</i>	<i>X</i>												
<i>I-TP4-052711-5.0</i>		<i>0750</i>																	
<i>I-TP4-052711-8.0</i>		<i>0755</i>																	
<i>I-TP5-052711-2.5</i>		<i>0800</i>																	
<i>I-TP5-052711-4.5</i>		<i>0825</i>																	
<i>I-TP5-052711-6.5</i>		<i>0830</i>																	
<i>A-TP1-052711-5.0</i>		<i>0850</i>																	
<i>A-TP2-052711-5.0</i>		<i>0910</i>																	
<i>I-TP6-052711-2.5</i>		<i>0930</i>																	
<i>I-TP6-052711-4.5</i>		<i>0935</i>																	
<i>I-TP6-052711-5.5</i>	<i>0940</i>																		

Cooler/FB Dig/TR cors. 6" uncs. 80
Cooler Dsc by Blue/White @ Lab 1420
Wet/Packs Packing Bubble Wrap

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Archive For _____ Months	<input type="checkbox"/> Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)
---	--	--	---

Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input checked="" type="checkbox"/> Other _____	QC Requirements (Specify)
--	---------------------------

1. Relinquished By Sign/Print <i>Reyn H</i>	Date <i>5-28-11</i>	Time <i>0930</i>	1. Received By Sign/Print <i>Francisco Lunny Jr.</i>	Date <i>6/1/11</i>	Time <i>1145</i>
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments
Hold until instructed which samples to analyze

Rush
 Short Hold

Chain of Custody Record

26530

Client: _____ Client Contact: _____ Date: _____ Chain of Custody Number: 11273
 Address: _____ Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____ Page 1 of 1
 City: _____ State: _____ Zip Code: _____ Sampler: _____ Lab Contact: _____
 Project Name and Location (State): _____ Billing Contact: _____ Analysis (Attach list if more space is needed)

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives								Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Originals	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH			
_____	_____	_____														
_____	_____	_____														
_____	_____	_____														
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_____	_____	_____														
_____	_____	_____														

10081

Metals (see table)

VOCs 81605

ACID

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By Sign/Print: _____	Date: _____	Time: _____	1. Received By Sign/Print: _____	Date: _____	Time: _____
2. Relinquished By Sign/Print: _____	Date: _____	Time: _____	2. Received By Sign/Print: _____	Date: _____	Time: _____
3. Relinquished By Sign/Print: _____	Date: _____	Time: _____	3. Received By Sign/Print: _____	Date: _____	Time: _____

Comments: _____ Metals to include: Antimony, Arsenic, Cadmium, Copper, Lead, Manganese, Mercury, and Zinc

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26530-1

Login Number: 26530

List Source: TestAmerica Seattle

List Number: 1

Creator: Luna, Francisco

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	Rec'd past hold time for 48hour extraction of bulk volatile.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	Not needed.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	No VOA rec'd.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-26540-1

Client Project/Site: YSF Yakima Steel
Revision: 2

For:

Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Jeff Kaspar

Pamela R. Johnson

Authorized for release by:
08/12/2011 03:29:28 PM

Pam Johnson
Project Manager I
pamr.johnson@testamericainc.com

Designee for
Kristine Allen
Project Manager I
kristine.allen@testamericainc.com

LINKS

Review your project
results through
Total Access

Have a Question?



Visit us at:
www.testamericainc.com

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

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Job ID: 580-26540-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-26540-1

Comments

No additional comments.

Receipt

Method(s) RSK-175: One or more containers for the following sample(s) was received broken or leaking: BLIND (580-26540-7). One sample vial was received with the bottom gone from the vial..

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 87465 exceeded control limits for the following analytes: Endrin ketone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8081A: The continuing calibration verification (CCV) for Endrin ketone and Methoxychlor are both recovering above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
%R	Percent Recovery
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown).
PQL	Practical Quantitation Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-11-060211

Lab Sample ID: 580-26540-1

Date Collected: 06/02/11 07:18

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:31	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 03:31	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 03:31	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 03:31	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:31	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 03:31	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 03:31	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
Dibromomethane	ND		0.10		ug/L			06/11/11 03:31	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 03:31	1
o-Xylene	ND		0.10		ug/L			06/11/11 03:31	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 03:31	1
Styrene	ND		0.10		ug/L			06/11/11 03:31	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 03:31	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 03:31	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:31	1
Benzene	ND		0.10		ug/L			06/11/11 03:31	1
Chloroethane	ND		0.25		ug/L			06/11/11 03:31	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:31	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 03:31	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 03:31	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 03:31	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 03:31	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:31	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
Toluene	ND		0.10		ug/L			06/11/11 03:31	1
Naphthalene	ND		0.40		ug/L			06/11/11 03:31	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 03:31	1
Chloroform	1.3		0.10		ug/L			06/11/11 03:31	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 03:31	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 03:31	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 03:31	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 03:31	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
Chloromethane	ND		0.10		ug/L			06/11/11 03:31	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 03:31	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 03:31	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 03:31	1
Tetrachloroethene	1.6		0.10		ug/L			06/11/11 03:31	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 03:31	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:31	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 03:31	1
Bromoform	ND		0.10		ug/L			06/11/11 03:31	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 03:31	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 03:31	1
Trichloroethene	0.22		0.10		ug/L			06/11/11 03:31	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-11-060211

Lab Sample ID: 580-26540-1

Date Collected: 06/02/11 07:18

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.10		ug/L			06/11/11 03:31	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:31	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:31	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 03:31	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 03:31	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 03:31	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 03:31	1
Bromomethane	ND		0.10		ug/L			06/11/11 03:31	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:31	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 03:31	1
Acetone	ND		2.0		ug/L			06/11/11 03:31	1
2-Butanone	ND		2.0		ug/L			06/11/11 03:31	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 03:31	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 03:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 120					06/11/11 03:31	1
Ethylbenzene-d10	92		75 - 125					06/11/11 03:31	1
Fluorobenzene (Surr)	100		70 - 130					06/11/11 03:31	1
Trifluorotoluene (Surr)	104		80 - 125					06/11/11 03:31	1
Toluene-d8 (Surr)	98		75 - 125					06/11/11 03:31	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/09/11 01:57	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 01:57	1
Endrin ketone	ND *		0.020		ug/L		06/08/11 09:32	06/09/11 01:57	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 01:57	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 01:57	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		18 - 181				06/08/11 09:32	06/09/11 01:57	1
DCB Decachlorobiphenyl	90		53 - 122				06/08/11 09:32	06/09/11 01:57	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-11-060211

Lab Sample ID: 580-26540-1

Date Collected: 06/02/11 07:18

Matrix: Water

Date Received: 06/03/11 10:13

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 16:56	5
Lead	0.0038		0.0020		mg/L		06/14/11 09:39	06/14/11 16:56	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 16:56	5
Cadmium	0.022		0.0020		mg/L		06/14/11 09:39	06/14/11 16:56	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 16:56	5
Manganese	0.18		0.0020		mg/L		06/14/11 09:39	06/14/11 16:56	5
Zinc	7.7		0.0070		mg/L		06/14/11 09:39	06/14/11 16:56	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:41	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:41	5
Cadmium	0.022		0.0020		mg/L		06/14/11 09:39	06/14/11 17:41	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:41	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:41	5
Manganese	0.018		0.0020		mg/L		06/14/11 09:39	06/14/11 17:41	5
Zinc	7.5		0.0070		mg/L		06/14/11 09:39	06/14/11 17:41	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:22	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7B-060211

Lab Sample ID: 580-26540-2

Date Collected: 06/02/11 08:18

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:58	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 03:58	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 03:58	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 03:58	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:58	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 03:58	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 03:58	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
Dibromomethane	ND		0.10		ug/L			06/11/11 03:58	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 03:58	1
o-Xylene	ND		0.10		ug/L			06/11/11 03:58	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 03:58	1
Styrene	ND		0.10		ug/L			06/11/11 03:58	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 03:58	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 03:58	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:58	1
Benzene	ND		0.10		ug/L			06/11/11 03:58	1
Chloroethane	ND		0.25		ug/L			06/11/11 03:58	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 03:58	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 03:58	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 03:58	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 03:58	1
cis-1,2-Dichloroethene	3.8		0.10		ug/L			06/11/11 03:58	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:58	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
Toluene	ND		0.10		ug/L			06/11/11 03:58	1
Naphthalene	ND		0.40		ug/L			06/11/11 03:58	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 03:58	1
Chloroform	1.1		0.10		ug/L			06/11/11 03:58	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 03:58	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 03:58	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 03:58	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 03:58	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
Chloromethane	ND		0.10		ug/L			06/11/11 03:58	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 03:58	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 03:58	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 03:58	1
Tetrachloroethene	1.9		0.10		ug/L			06/11/11 03:58	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 03:58	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:58	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 03:58	1
Bromoform	ND		0.10		ug/L			06/11/11 03:58	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 03:58	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 03:58	1
Trichloroethene	0.44		0.10		ug/L			06/11/11 03:58	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7B-060211

Lab Sample ID: 580-26540-2

Date Collected: 06/02/11 08:18

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.10		ug/L			06/11/11 03:58	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 03:58	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 03:58	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 03:58	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 03:58	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 03:58	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 03:58	1
Bromomethane	ND		0.10		ug/L			06/11/11 03:58	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 03:58	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 03:58	1
Acetone	ND		2.0		ug/L			06/11/11 03:58	1
2-Butanone	ND		2.0		ug/L			06/11/11 03:58	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 03:58	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 03:58	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 120					06/11/11 03:58	1
Ethylbenzene-d10	96		75 - 125					06/11/11 03:58	1
Fluorobenzene (Surr)	106		70 - 130					06/11/11 03:58	1
Trifluorotoluene (Surr)	108		80 - 125					06/11/11 03:58	1
Toluene-d8 (Surr)	95		75 - 125					06/11/11 03:58	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/09/11 02:17	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 02:17	1
Endrin ketone	ND *		0.020		ug/L		06/08/11 09:32	06/09/11 02:17	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 02:17	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 02:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		18 - 181				06/08/11 09:32	06/09/11 02:17	1
DCB Decachlorobiphenyl	82		53 - 122				06/08/11 09:32	06/09/11 02:17	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7B-060211

Lab Sample ID: 580-26540-2

Date Collected: 06/02/11 08:18

Matrix: Water

Date Received: 06/03/11 10:13

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:01	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:01	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:01	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:01	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:01	5
Manganese	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:01	5
Zinc	ND		0.0070		mg/L		06/14/11 09:39	06/14/11 17:01	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:46	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:46	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:46	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:46	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:46	5
Manganese	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:46	5
Zinc	0.011		0.0070		mg/L		06/14/11 09:39	06/14/11 17:46	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:24	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7A-060211

Lab Sample ID: 580-26540-3

Date Collected: 06/02/11 09:22

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:24	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 04:24	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 04:24	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 04:24	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 04:24	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 04:24	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 04:24	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
Dibromomethane	ND		0.10		ug/L			06/11/11 04:24	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 04:24	1
o-Xylene	ND		0.10		ug/L			06/11/11 04:24	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 04:24	1
Styrene	ND		0.10		ug/L			06/11/11 04:24	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 04:24	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 04:24	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:24	1
Benzene	ND		0.10		ug/L			06/11/11 04:24	1
Chloroethane	ND		0.25		ug/L			06/11/11 04:24	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 04:24	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 04:24	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 04:24	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 04:24	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 04:24	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 04:24	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
Toluene	0.11		0.10		ug/L			06/11/11 04:24	1
Naphthalene	ND		0.40		ug/L			06/11/11 04:24	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 04:24	1
Chloroform	ND		0.10		ug/L			06/11/11 04:24	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 04:24	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 04:24	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 04:24	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 04:24	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
Chloromethane	ND		0.10		ug/L			06/11/11 04:24	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 04:24	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 04:24	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 04:24	1
Tetrachloroethene	ND		0.10		ug/L			06/11/11 04:24	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 04:24	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 04:24	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 04:24	1
Bromoform	ND		0.10		ug/L			06/11/11 04:24	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 04:24	1
Trichlorofluoromethane	0.23		0.10		ug/L			06/11/11 04:24	1
Trichloroethene	ND		0.10		ug/L			06/11/11 04:24	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7A-060211

Lab Sample ID: 580-26540-3

Date Collected: 06/02/11 09:22

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.10		ug/L			06/11/11 04:24	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 04:24	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 04:24	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 04:24	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 04:24	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 04:24	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 04:24	1
Bromomethane	ND		0.10		ug/L			06/11/11 04:24	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:24	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 04:24	1
Acetone	ND		2.0		ug/L			06/11/11 04:24	1
2-Butanone	ND		2.0		ug/L			06/11/11 04:24	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 04:24	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 04:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 120		06/11/11 04:24	1
Ethylbenzene-d10	99		75 - 125		06/11/11 04:24	1
Fluorobenzene (Surr)	101		70 - 130		06/11/11 04:24	1
Trifluorotoluene (Surr)	107		80 - 125		06/11/11 04:24	1
Toluene-d8 (Surr)	101		75 - 125		06/11/11 04:24	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/09/11 15:42	1
Ethylene	ND		1.0		ug/L			06/09/11 15:42	1
Methane	1.7		0.58		ug/L			06/09/11 15:42	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
alpha-BHC	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
delta-BHC	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
gamma-BHC (Lindane)	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/09/11 02:36	1
Heptachlor	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
Heptachlor epoxide	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
Methoxychlor	ND		0.099		ug/L		06/08/11 09:32	06/09/11 02:36	1
Endrin ketone	ND	*	0.020		ug/L		06/08/11 09:32	06/09/11 02:36	1
Toxaphene	ND		0.99		ug/L		06/08/11 09:32	06/09/11 02:36	1
alpha-Chlordane	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7A-060211

Lab Sample ID: 580-26540-3

Date Collected: 06/02/11 09:22

Matrix: Water

Date Received: 06/03/11 10:13

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 02:36	1
Surrogate									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		18 - 181				06/08/11 09:32	06/09/11 02:36	1
DCB Decachlorobiphenyl	57		53 - 122				06/08/11 09:32	06/09/11 02:36	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0064		0.0020		mg/L		06/14/11 09:39	06/14/11 17:06	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:06	5
Antimony	0.0054		0.0020		mg/L		06/14/11 09:39	06/14/11 17:06	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:06	5
Copper	0.0063		0.0050		mg/L		06/14/11 09:39	06/14/11 17:06	5
Manganese	0.0053		0.0020		mg/L		06/14/11 09:39	06/14/11 17:06	5
Zinc	0.037		0.0070		mg/L		06/14/11 09:39	06/14/11 17:06	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0060		0.0020		mg/L		06/14/11 09:39	06/14/11 17:51	5
Antimony	0.0054		0.0020		mg/L		06/14/11 09:39	06/14/11 17:51	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:51	5
Copper	0.0060		0.0050		mg/L		06/14/11 09:39	06/14/11 17:51	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:51	5
Manganese	0.0035		0.0020		mg/L		06/14/11 09:39	06/14/11 17:51	5
Zinc	0.040		0.0070		mg/L		06/14/11 09:39	06/14/11 17:51	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		0.90		mg/L			06/03/11 16:20	1
Nitrate as N	4.7		0.90		mg/L			06/03/11 16:20	1
Sulfate	150		12		mg/L			06/14/11 14:58	10
Total Organic Carbon	7.8		1.0		mg/L			06/13/11 14:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	160		5.0		mg/L			06/13/11 17:08	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-10-060211

Lab Sample ID: 580-26540-4

Date Collected: 06/02/11 10:28

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:49	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 04:49	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 04:49	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 04:49	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 04:49	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 04:49	1
Vinyl chloride	ND		0.020		ug/L			06/11/11 04:49	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
Dibromomethane	ND		0.10		ug/L			06/11/11 04:49	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 04:49	1
o-Xylene	ND		0.10		ug/L			06/11/11 04:49	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 04:49	1
Styrene	ND		0.10		ug/L			06/11/11 04:49	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 04:49	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 04:49	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:49	1
Benzene	ND		0.10		ug/L			06/11/11 04:49	1
Chloroethane	ND		0.25		ug/L			06/11/11 04:49	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 04:49	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 04:49	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 04:49	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 04:49	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 04:49	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 04:49	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
Toluene	ND		0.10		ug/L			06/11/11 04:49	1
Naphthalene	ND		0.40		ug/L			06/11/11 04:49	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 04:49	1
Chloroform	1.5		0.10		ug/L			06/11/11 04:49	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 04:49	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 04:49	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 04:49	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 04:49	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
Chloromethane	ND		0.10		ug/L			06/11/11 04:49	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 04:49	1
1,1-Dichloroethene	ND		0.10		ug/L			06/11/11 04:49	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 04:49	1
Tetrachloroethene	1.8		0.10		ug/L			06/11/11 04:49	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 04:49	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 04:49	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 04:49	1
Bromoform	ND		0.10		ug/L			06/11/11 04:49	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 04:49	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 04:49	1
Trichloroethene	0.10		0.10		ug/L			06/11/11 04:49	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-10-060211

Lab Sample ID: 580-26540-4

Date Collected: 06/02/11 10:28

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.10		ug/L			06/11/11 04:49	1
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 04:49	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 04:49	1
Ethylbenzene	ND		0.10		ug/L			06/11/11 04:49	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/11/11 04:49	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 04:49	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 04:49	1
Bromomethane	ND		0.10		ug/L			06/11/11 04:49	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 04:49	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 04:49	1
Acetone	ND		2.0		ug/L			06/11/11 04:49	1
2-Butanone	ND		2.0		ug/L			06/11/11 04:49	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 04:49	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 04:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 120					06/11/11 04:49	1
Ethylbenzene-d10	99		75 - 125					06/11/11 04:49	1
Fluorobenzene (Surr)	102		70 - 130					06/11/11 04:49	1
Trifluorotoluene (Surr)	101		80 - 125					06/11/11 04:49	1
Toluene-d8 (Surr)	100		75 - 125					06/11/11 04:49	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endrin aldehyde	ND		0.051		ug/L		06/08/11 09:32	06/09/11 05:31	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 05:31	1
Endrin ketone	ND	^ *	0.020		ug/L		06/08/11 09:32	06/09/11 05:31	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 05:31	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		18 - 181				06/08/11 09:32	06/09/11 05:31	1
DCB Decachlorobiphenyl	71		53 - 122				06/08/11 09:32	06/09/11 05:31	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-10-060211

Lab Sample ID: 580-26540-4

Date Collected: 06/02/11 10:28

Matrix: Water

Date Received: 06/03/11 10:13

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:11	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:11	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:11	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:11	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:11	5
Manganese	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:11	5
Zinc	0.070		0.0070		mg/L		06/14/11 09:39	06/14/11 17:11	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:56	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:56	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:56	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:56	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:56	5
Manganese	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:56	5
Zinc	0.072		0.0070		mg/L		06/14/11 09:39	06/14/11 17:56	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:39	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:27	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-1-060211

Lab Sample ID: 580-26540-5

Date Collected: 06/02/11 11:42

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/15/11 16:28	1
2-Chlorotoluene	ND		0.10		ug/L			06/15/11 16:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/15/11 16:28	1
Carbon tetrachloride	ND		0.10		ug/L			06/15/11 16:28	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/15/11 16:28	1
Chlorobenzene	ND		0.10		ug/L			06/15/11 16:28	1
Vinyl chloride	ND		0.020		ug/L			06/15/11 16:28	1
sec-Butylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
Dibromomethane	ND		0.10		ug/L			06/15/11 16:28	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/15/11 16:28	1
o-Xylene	ND		0.10		ug/L			06/15/11 16:28	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/15/11 16:28	1
Styrene	ND		0.10		ug/L			06/15/11 16:28	1
Chlorobromomethane	ND		0.10		ug/L			06/15/11 16:28	1
Dichlorobromomethane	0.14		0.10		ug/L			06/15/11 16:28	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/15/11 16:28	1
Benzene	ND		0.10		ug/L			06/15/11 16:28	1
Chloroethane	ND		0.25		ug/L			06/15/11 16:28	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/15/11 16:28	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/15/11 16:28	1
N-Propylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
4-Isopropyltoluene	ND		0.20		ug/L			06/15/11 16:28	1
n-Butylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
1,1-Dichloropropene	ND		0.10		ug/L			06/15/11 16:28	1
cis-1,2-Dichloroethene	0.10		0.10		ug/L			06/15/11 16:28	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/15/11 16:28	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
Toluene	ND		0.10		ug/L			06/15/11 16:28	1
Naphthalene	ND		0.40		ug/L			06/15/11 16:28	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
1,3-Dichloropropane	ND		0.10		ug/L			06/15/11 16:28	1
Chloroform	2.2		0.10		ug/L			06/15/11 16:28	1
4-Chlorotoluene	ND		0.20		ug/L			06/15/11 16:28	1
Chlorodibromomethane	ND		0.10		ug/L			06/15/11 16:28	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/15/11 16:28	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/15/11 16:28	1
tert-Butylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
Chloromethane	ND		0.10		ug/L			06/15/11 16:28	1
Methylene Chloride	ND		0.50		ug/L			06/15/11 16:28	1
1,1-Dichloroethene	ND		0.10		ug/L			06/15/11 16:28	1
Isopropylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
1,2-Dichloroethane	ND		0.10		ug/L			06/15/11 16:28	1
Tetrachloroethene	3.2		0.10		ug/L			06/15/11 16:28	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/15/11 16:28	1
2,2-Dichloropropane	ND		0.10		ug/L			06/15/11 16:28	1
1,2-Dibromoethane	ND		0.10		ug/L			06/15/11 16:28	1
Bromoform	ND		0.10		ug/L			06/15/11 16:28	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/15/11 16:28	1
Trichlorofluoromethane	ND		0.10		ug/L			06/15/11 16:28	1
Trichloroethene	0.31		0.10		ug/L			06/15/11 16:28	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-1-060211

Lab Sample ID: 580-26540-5

Date Collected: 06/02/11 11:42

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.10		ug/L			06/15/11 16:28	1
1,2-Dichloropropane	ND		0.10		ug/L			06/15/11 16:28	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/15/11 16:28	1
Ethylbenzene	ND		0.10		ug/L			06/15/11 16:28	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/15/11 16:28	1
Hexachlorobutadiene	ND		0.20		ug/L			06/15/11 16:28	1
1,1-Dichloroethane	ND		0.10		ug/L			06/15/11 16:28	1
Bromomethane	ND		0.10		ug/L			06/15/11 16:28	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/15/11 16:28	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/15/11 16:28	1
Acetone	ND		2.0		ug/L			06/15/11 16:28	1
2-Butanone	ND		2.0		ug/L			06/15/11 16:28	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/15/11 16:28	1
Carbon disulfide	ND		0.10		ug/L			06/15/11 16:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 120		06/15/11 16:28	1
Ethylbenzene-d10	89		75 - 125		06/15/11 16:28	1
Fluorobenzene (Surr)	98		70 - 130		06/15/11 16:28	1
Trifluorotoluene (Surr)	112		80 - 125		06/15/11 16:28	1
Toluene-d8 (Surr)	92		75 - 125		06/15/11 16:28	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/09/11 15:55	1
Ethylene	ND		1.0		ug/L			06/09/11 15:55	1
Methane	ND		0.58		ug/L			06/09/11 15:55	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endrin aldehyde	ND		0.051		ug/L		06/08/11 09:32	06/09/11 05:50	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 05:50	1
Endrin ketone	ND	^ *	0.020		ug/L		06/08/11 09:32	06/09/11 05:50	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 05:50	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-1-060211

Lab Sample ID: 580-26540-5

Date Collected: 06/02/11 11:42

Matrix: Water

Date Received: 06/03/11 10:13

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 05:50	1
Surrogate									
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		18 - 181				06/08/11 09:32	06/09/11 05:50	1
DCB Decachlorobiphenyl	70		53 - 122				06/08/11 09:32	06/09/11 05:50	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:16	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:16	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:16	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:16	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:16	5
Manganese	0.070		0.0020		mg/L		06/14/11 09:39	06/14/11 17:16	5
Zinc	ND		0.0070		mg/L		06/14/11 09:39	06/14/11 17:16	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 18:01	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 18:01	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 18:01	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 18:01	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 18:01	5
Manganese	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 18:01	5
Zinc	ND		0.0070		mg/L		06/14/11 09:39	06/14/11 18:01	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22		0.90		mg/L			06/03/11 16:37	1
Nitrate as N	4.0		0.90		mg/L			06/03/11 16:37	1
Sulfate	16		1.2		mg/L			06/03/11 16:37	1
Total Organic Carbon	1.4		1.0		mg/L			06/13/11 14:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	81		5.0		mg/L			06/13/11 17:08	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: WDOE-6-060211

Lab Sample ID: 580-26540-6

Date Collected: 06/02/11 12:46

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:15	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 05:15	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 05:15	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 05:15	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 05:15	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 05:15	1
Vinyl chloride	37		0.020		ug/L			06/11/11 05:15	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
Dibromomethane	ND		0.10		ug/L			06/11/11 05:15	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 05:15	1
o-Xylene	ND		0.10		ug/L			06/11/11 05:15	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 05:15	1
Styrene	ND		0.10		ug/L			06/11/11 05:15	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 05:15	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 05:15	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:15	1
Benzene	ND		0.10		ug/L			06/11/11 05:15	1
Chloroethane	ND		0.25		ug/L			06/11/11 05:15	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 05:15	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 05:15	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 05:15	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 05:15	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 05:15	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
Toluene	ND		0.10		ug/L			06/11/11 05:15	1
Naphthalene	ND		0.40		ug/L			06/11/11 05:15	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 05:15	1
Chloroform	ND		0.10		ug/L			06/11/11 05:15	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 05:15	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 05:15	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 05:15	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 05:15	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
Chloromethane	ND		0.10		ug/L			06/11/11 05:15	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 05:15	1
1,1-Dichloroethene	3.1		0.10		ug/L			06/11/11 05:15	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 05:15	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 05:15	1
Tetrachloroethene	5.7		0.10		ug/L			06/11/11 05:15	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 05:15	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 05:15	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 05:15	1
Bromoform	ND		0.10		ug/L			06/11/11 05:15	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 05:15	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 05:15	1
Trichloroethene	31		0.10		ug/L			06/11/11 05:15	1
Bromobenzene	ND		0.10		ug/L			06/11/11 05:15	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: WDOE-6-060211

Lab Sample ID: 580-26540-6

Date Collected: 06/02/11 12:46

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 05:15	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 05:15	1
Ethylbenzene	0.20		0.10		ug/L			06/11/11 05:15	1
trans-1,2-Dichloroethene	0.57		0.10		ug/L			06/11/11 05:15	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 05:15	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 05:15	1
Bromomethane	ND		0.10		ug/L			06/11/11 05:15	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:15	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 05:15	1
Acetone	ND		2.0		ug/L			06/11/11 05:15	1
2-Butanone	ND		2.0		ug/L			06/11/11 05:15	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 05:15	1
Carbon disulfide	ND		0.10		ug/L			06/11/11 05:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 120		06/11/11 05:15	1
Ethylbenzene-d10	97		75 - 125		06/11/11 05:15	1
Fluorobenzene (Surr)	101		70 - 130		06/11/11 05:15	1
Trifluorotoluene (Surr)	104		80 - 125		06/11/11 05:15	1
Toluene-d8 (Surr)	95		75 - 125		06/11/11 05:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	300		1.0		ug/L			06/14/11 18:07	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/09/11 16:08	1
Ethylene	ND		1.0		ug/L			06/09/11 16:08	1
Methane	3.9		0.58		ug/L			06/09/11 16:08	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
4,4'-DDD	0.028	p	0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Dieldrin	0.063		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endrin aldehyde	ND		0.051		ug/L		06/08/11 09:32	06/09/11 06:09	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/09/11 06:09	1
Endrin ketone	ND	^ *	0.020		ug/L		06/08/11 09:32	06/09/11 06:09	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: WDOE-6-060211

Lab Sample ID: 580-26540-6

Date Collected: 06/02/11 12:46

Matrix: Water

Date Received: 06/03/11 10:13

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/09/11 06:09	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
gamma-Chlordane	0.011		0.010		ug/L		06/08/11 09:32	06/09/11 06:09	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		18 - 181				06/08/11 09:32	06/09/11 06:09	1
DCB Decachlorobiphenyl	72		53 - 122				06/08/11 09:32	06/09/11 06:09	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:21	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:21	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:21	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:21	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:21	5
Manganese	0.40		0.0020		mg/L		06/14/11 09:39	06/14/11 17:21	5
Zinc	0.45		0.0070		mg/L		06/14/11 09:39	06/14/11 17:21	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:06	5
Antimony	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:06	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:06	5
Copper	ND		0.0050		mg/L		06/14/11 09:50	06/14/11 18:06	5
Lead	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:06	5
Manganese	0.42		0.0020		mg/L		06/14/11 09:50	06/14/11 18:06	5
Zinc	0.099		0.0070		mg/L		06/14/11 09:50	06/14/11 18:06	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		0.90		mg/L			06/03/11 16:53	1
Nitrate as N	ND		0.90		mg/L			06/03/11 16:53	1
Sulfate	160		12		mg/L			06/14/11 15:15	10
Total Organic Carbon	1.3		1.0		mg/L			06/13/11 14:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	36		5.0		mg/L			06/13/11 17:08	1

Client Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: BLIND

Lab Sample ID: 580-26540-7

Date Collected: 06/02/11 13:16

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:40	1
2-Chlorotoluene	ND		0.10		ug/L			06/11/11 05:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/11/11 05:40	1
Carbon tetrachloride	ND		0.10		ug/L			06/11/11 05:40	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 05:40	1
Chlorobenzene	ND		0.10		ug/L			06/11/11 05:40	1
Vinyl chloride	34		0.020		ug/L			06/11/11 05:40	1
sec-Butylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
Dibromomethane	ND		0.10		ug/L			06/11/11 05:40	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/11/11 05:40	1
o-Xylene	ND		0.10		ug/L			06/11/11 05:40	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/11/11 05:40	1
Styrene	ND		0.10		ug/L			06/11/11 05:40	1
Chlorobromomethane	ND		0.10		ug/L			06/11/11 05:40	1
Dichlorobromomethane	ND		0.10		ug/L			06/11/11 05:40	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:40	1
Benzene	ND		0.10		ug/L			06/11/11 05:40	1
Chloroethane	ND		0.25		ug/L			06/11/11 05:40	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/11/11 05:40	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/11/11 05:40	1
N-Propylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
4-Isopropyltoluene	ND		0.20		ug/L			06/11/11 05:40	1
n-Butylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
1,1-Dichloropropene	ND		0.10		ug/L			06/11/11 05:40	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 05:40	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
Toluene	ND		0.10		ug/L			06/11/11 05:40	1
Naphthalene	ND		0.40		ug/L			06/11/11 05:40	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
1,3-Dichloropropane	ND		0.10		ug/L			06/11/11 05:40	1
Chloroform	ND		0.10		ug/L			06/11/11 05:40	1
4-Chlorotoluene	ND		0.20		ug/L			06/11/11 05:40	1
Chlorodibromomethane	ND		0.10		ug/L			06/11/11 05:40	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/11/11 05:40	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/11/11 05:40	1
tert-Butylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
Chloromethane	ND		0.10		ug/L			06/11/11 05:40	1
Methylene Chloride	ND		0.50		ug/L			06/11/11 05:40	1
1,1-Dichloroethene	3.0		0.10		ug/L			06/11/11 05:40	1
Isopropylbenzene	ND		0.10		ug/L			06/11/11 05:40	1
1,2-Dichloroethane	ND		0.10		ug/L			06/11/11 05:40	1
Tetrachloroethene	5.6		0.10		ug/L			06/11/11 05:40	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/11/11 05:40	1
2,2-Dichloropropane	ND		0.10		ug/L			06/11/11 05:40	1
1,2-Dibromoethane	ND		0.10		ug/L			06/11/11 05:40	1
Bromoform	ND		0.10		ug/L			06/11/11 05:40	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/11/11 05:40	1
Trichlorofluoromethane	ND		0.10		ug/L			06/11/11 05:40	1
Trichloroethene	28		0.10		ug/L			06/11/11 05:40	1
Bromobenzene	ND		0.10		ug/L			06/11/11 05:40	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: BLIND

Lab Sample ID: 580-26540-7

Date Collected: 06/02/11 13:16

Matrix: Water

Date Received: 06/03/11 10:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.10		ug/L			06/11/11 05:40	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/11/11 05:40	1
Ethylbenzene	0.22		0.10		ug/L			06/11/11 05:40	1
trans-1,2-Dichloroethene	0.61		0.10		ug/L			06/11/11 05:40	1
Hexachlorobutadiene	ND		0.20		ug/L			06/11/11 05:40	1
1,1-Dichloroethane	ND		0.10		ug/L			06/11/11 05:40	1
Bromomethane	ND		0.10		ug/L			06/11/11 05:40	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/11/11 05:40	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/11/11 05:40	1
Acetone	ND		2.0		ug/L			06/11/11 05:40	1
2-Butanone	ND		2.0		ug/L			06/11/11 05:40	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/11/11 05:40	1
Carbon disulfide	0.13		0.10		ug/L			06/11/11 05:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 120		06/11/11 05:40	1
Ethylbenzene-d10	102		75 - 125		06/11/11 05:40	1
Fluorobenzene (Surr)	97		70 - 130		06/11/11 05:40	1
Trifluorotoluene (Surr)	104		80 - 125		06/11/11 05:40	1
Toluene-d8 (Surr)	101		75 - 125		06/11/11 05:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	250		1.0		ug/L			06/14/11 18:33	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		1.1		ug/L			06/09/11 16:21	1
Ethylene	ND		1.0		ug/L			06/09/11 16:21	1
Methane	4.7		0.58		ug/L			06/09/11 16:21	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
alpha-BHC	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
delta-BHC	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
gamma-BHC (Lindane)	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
4,4'-DDD	0.034	p	0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Dieldrin	0.072		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/09/11 06:29	1
Heptachlor	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
Heptachlor epoxide	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
Methoxychlor	ND		0.099		ug/L		06/08/11 09:32	06/09/11 06:29	1
Endrin ketone	ND	^ *	0.020		ug/L		06/08/11 09:32	06/09/11 06:29	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: BLIND

Lab Sample ID: 580-26540-7

Date Collected: 06/02/11 13:16

Matrix: Water

Date Received: 06/03/11 10:13

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.99		ug/L		06/08/11 09:32	06/09/11 06:29	1
alpha-Chlordane	ND		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
gamma-Chlordane	0.018		0.0099		ug/L		06/08/11 09:32	06/09/11 06:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		18 - 181				06/08/11 09:32	06/09/11 06:29	1
DCB Decachlorobiphenyl	60		53 - 122				06/08/11 09:32	06/09/11 06:29	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:26	5
Lead	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:26	5
Antimony	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:26	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:39	06/14/11 17:26	5
Copper	ND		0.0050		mg/L		06/14/11 09:39	06/14/11 17:26	5
Manganese	0.42		0.0020		mg/L		06/14/11 09:39	06/14/11 17:26	5
Zinc	0.51		0.0070		mg/L		06/14/11 09:39	06/14/11 17:26	5

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:11	5
Antimony	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:11	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:11	5
Copper	ND		0.0050		mg/L		06/14/11 09:50	06/14/11 18:11	5
Lead	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 18:11	5
Manganese	0.41		0.0020		mg/L		06/14/11 09:50	06/14/11 18:11	5
Zinc	0.096		0.0070		mg/L		06/14/11 09:50	06/14/11 18:11	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:44	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		0.90		mg/L			06/03/11 17:09	1
Nitrate as N	ND		0.90		mg/L			06/03/11 17:09	1
Sulfate	160		12		mg/L			06/14/11 15:31	10
Total Organic Carbon	1.3		1.0		mg/L			06/13/11 14:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	38		5.0		mg/L			06/13/11 17:08	1

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: MB 580-87710/4
Matrix: Water
Analysis Batch: 87710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
2-Chlorotoluene	ND		0.10		ug/L			06/10/11 21:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/10/11 21:52	1
Carbon tetrachloride	ND		0.10		ug/L			06/10/11 21:52	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
Chlorobenzene	ND		0.10		ug/L			06/10/11 21:52	1
Vinyl chloride	ND		0.020		ug/L			06/10/11 21:52	1
sec-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Dibromomethane	ND		0.10		ug/L			06/10/11 21:52	1
m-Xylene & p-Xylene	ND		0.20		ug/L			06/10/11 21:52	1
o-Xylene	ND		0.10		ug/L			06/10/11 21:52	1
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
Styrene	ND		0.10		ug/L			06/10/11 21:52	1
Chlorobromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Dichlorobromomethane	ND		0.10		ug/L			06/10/11 21:52	1
1,3-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
Benzene	ND		0.10		ug/L			06/10/11 21:52	1
Chloroethane	ND		0.25		ug/L			06/10/11 21:52	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
1,2,3-Trichlorobenzene	ND		0.40		ug/L			06/10/11 21:52	1
N-Propylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
4-Isopropyltoluene	ND		0.20		ug/L			06/10/11 21:52	1
n-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,1-Dichloropropene	ND		0.10		ug/L			06/10/11 21:52	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 21:52	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Toluene	ND		0.10		ug/L			06/10/11 21:52	1
Naphthalene	ND		0.40		ug/L			06/10/11 21:52	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,3-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
Chloroform	ND		0.10		ug/L			06/10/11 21:52	1
4-Chlorotoluene	ND		0.20		ug/L			06/10/11 21:52	1
Chlorodibromomethane	ND		0.10		ug/L			06/10/11 21:52	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/10/11 21:52	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
tert-Butylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
Chloromethane	ND		0.10		ug/L			06/10/11 21:52	1
Methylene Chloride	ND		0.50		ug/L			06/10/11 21:52	1
1,1-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
Isopropylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
Tetrachloroethene	ND		0.10		ug/L			06/10/11 21:52	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
2,2-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dibromoethane	ND		0.10		ug/L			06/10/11 21:52	1
Bromoform	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/10/11 21:52	1
Trichlorofluoromethane	ND		0.10		ug/L			06/10/11 21:52	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: MB 580-87710/4

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
Bromobenzene	ND		0.10		ug/L			06/10/11 21:52	1
1,2-Dichloropropane	ND		0.10		ug/L			06/10/11 21:52	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/10/11 21:52	1
Ethylbenzene	ND		0.10		ug/L			06/10/11 21:52	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/10/11 21:52	1
Hexachlorobutadiene	ND		0.20		ug/L			06/10/11 21:52	1
1,1-Dichloroethane	ND		0.10		ug/L			06/10/11 21:52	1
Bromomethane	ND		0.10		ug/L			06/10/11 21:52	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/10/11 21:52	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/10/11 21:52	1
Acetone	ND		2.0		ug/L			06/10/11 21:52	1
2-Butanone	ND		2.0		ug/L			06/10/11 21:52	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/10/11 21:52	1
Carbon disulfide	ND		0.10		ug/L			06/10/11 21:52	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		75 - 120		06/10/11 21:52	1
Ethylbenzene-d10	100		75 - 125		06/10/11 21:52	1
Fluorobenzene (Surr)	104		70 - 130		06/10/11 21:52	1
Trifluorotoluene (Surr)	104		80 - 125		06/10/11 21:52	1
Toluene-d8 (Surr)	101		75 - 125		06/10/11 21:52	1

Lab Sample ID: LCS 580-87710/5

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	5.00	5.36		ug/L		107	75 - 142
Toluene	5.00	5.14		ug/L		103	80 - 126
1,1-Dichloroethene	5.00	5.57		ug/L		111	78 - 151
Trichloroethene	5.00	5.08		ug/L		102	79 - 131

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		75 - 120
Ethylbenzene-d10	93		75 - 125
Fluorobenzene (Surr)	105		70 - 130
Trifluorotoluene (Surr)	122		80 - 125
Toluene-d8 (Surr)	96		75 - 125

Lab Sample ID: LCSD 580-87710/6

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	
								RPD	Limit
Chlorobenzene	5.00	4.83		ug/L		97	71 - 140	13	20
Benzene	5.00	5.13		ug/L		103	75 - 142	4	20
Toluene	5.00	5.33		ug/L		107	80 - 126	4	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: LCSD 580-87710/6

Matrix: Water

Analysis Batch: 87710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	5.00	5.00		ug/L		100	78 - 151	11	20
Trichloroethene	5.00	4.58		ug/L		92	79 - 131	10	20

Surrogate	LCSD	LCSD	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		75 - 120
Ethylbenzene-d10	104		75 - 125
Fluorobenzene (Surr)	101		70 - 130
Trifluorotoluene (Surr)	106		80 - 125
Toluene-d8 (Surr)	101		75 - 125

Lab Sample ID: MB 580-87872/4

Matrix: Water

Analysis Batch: 87872

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	ND		0.20		ug/L		06/14/11 11:31		1
2-Chlorotoluene	ND		0.10		ug/L		06/14/11 11:31		1
1,2,3-Trichloropropane	ND		0.20		ug/L		06/14/11 11:31		1
Carbon tetrachloride	ND		0.10		ug/L		06/14/11 11:31		1
cis-1,3-Dichloropropene	ND		0.10		ug/L		06/14/11 11:31		1
Chlorobenzene	ND		0.10		ug/L		06/14/11 11:31		1
Vinyl chloride	ND		0.020		ug/L		06/14/11 11:31		1
sec-Butylbenzene	ND		0.10		ug/L		06/14/11 11:31		1
Dibromomethane	ND		0.10		ug/L		06/14/11 11:31		1
m-Xylene & p-Xylene	ND		0.20		ug/L		06/14/11 11:31		1
o-Xylene	ND		0.10		ug/L		06/14/11 11:31		1
1,2,4-Trichlorobenzene	ND		0.20		ug/L		06/14/11 11:31		1
Styrene	ND		0.10		ug/L		06/14/11 11:31		1
Chlorobromomethane	ND		0.10		ug/L		06/14/11 11:31		1
Dichlorobromomethane	ND		0.10		ug/L		06/14/11 11:31		1
1,3-Dichlorobenzene	ND		0.20		ug/L		06/14/11 11:31		1
Benzene	ND		0.10		ug/L		06/14/11 11:31		1
Chloroethane	ND		0.25		ug/L		06/14/11 11:31		1
trans-1,3-Dichloropropene	ND		0.10		ug/L		06/14/11 11:31		1
1,2,3-Trichlorobenzene	ND		0.40		ug/L		06/14/11 11:31		1
N-Propylbenzene	ND		0.10		ug/L		06/14/11 11:31		1
4-Isopropyltoluene	ND		0.20		ug/L		06/14/11 11:31		1
n-Butylbenzene	ND		0.10		ug/L		06/14/11 11:31		1
1,1-Dichloropropene	ND		0.10		ug/L		06/14/11 11:31		1
cis-1,2-Dichloroethene	ND		0.10		ug/L		06/14/11 11:31		1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L		06/14/11 11:31		1
1,2,4-Trimethylbenzene	ND		0.10		ug/L		06/14/11 11:31		1
Toluene	ND		0.10		ug/L		06/14/11 11:31		1
Naphthalene	ND		0.40		ug/L		06/14/11 11:31		1
1,3,5-Trimethylbenzene	ND		0.10		ug/L		06/14/11 11:31		1
1,3-Dichloropropane	ND		0.10		ug/L		06/14/11 11:31		1
Chloroform	ND		0.10		ug/L		06/14/11 11:31		1
4-Chlorotoluene	ND		0.20		ug/L		06/14/11 11:31		1
Chlorodibromomethane	ND		0.10		ug/L		06/14/11 11:31		1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: MB 580-87872/4

Matrix: Water

Analysis Batch: 87872

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		0.40		ug/L			06/14/11 11:31	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/14/11 11:31	1
tert-Butylbenzene	ND		0.10		ug/L			06/14/11 11:31	1
Chloromethane	ND		0.10		ug/L			06/14/11 11:31	1
Methylene Chloride	ND		0.50		ug/L			06/14/11 11:31	1
1,1-Dichloroethene	ND		0.10		ug/L			06/14/11 11:31	1
Isopropylbenzene	ND		0.10		ug/L			06/14/11 11:31	1
1,2-Dichloroethane	ND		0.10		ug/L			06/14/11 11:31	1
Tetrachloroethene	ND		0.10		ug/L			06/14/11 11:31	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/14/11 11:31	1
2,2-Dichloropropane	ND		0.10		ug/L			06/14/11 11:31	1
1,2-Dibromoethane	ND		0.10		ug/L			06/14/11 11:31	1
Bromoform	ND		0.10		ug/L			06/14/11 11:31	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/14/11 11:31	1
Trichlorofluoromethane	ND		0.10		ug/L			06/14/11 11:31	1
Trichloroethene	ND		0.10		ug/L			06/14/11 11:31	1
Bromobenzene	ND		0.10		ug/L			06/14/11 11:31	1
1,2-Dichloropropane	ND		0.10		ug/L			06/14/11 11:31	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/14/11 11:31	1
Ethylbenzene	ND		0.10		ug/L			06/14/11 11:31	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/14/11 11:31	1
Hexachlorobutadiene	ND		0.20		ug/L			06/14/11 11:31	1
1,1-Dichloroethane	ND		0.10		ug/L			06/14/11 11:31	1
Bromomethane	ND		0.10		ug/L			06/14/11 11:31	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/14/11 11:31	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/14/11 11:31	1
Acetone	ND		2.0		ug/L			06/14/11 11:31	1
2-Butanone	ND		2.0		ug/L			06/14/11 11:31	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/14/11 11:31	1
Carbon disulfide	ND		0.10		ug/L			06/14/11 11:31	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		75 - 120		06/14/11 11:31	1
Ethylbenzene-d10	90		75 - 125		06/14/11 11:31	1
Fluorobenzene (Surr)	98		70 - 130		06/14/11 11:31	1
Trifluorotoluene (Surr)	122		80 - 125		06/14/11 11:31	1
Toluene-d8 (Surr)	95		75 - 125		06/14/11 11:31	1

Lab Sample ID: LCS 580-87872/5

Matrix: Water

Analysis Batch: 87872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	5.00	5.21		ug/L		104	75 - 142
Toluene	5.00	5.31		ug/L		106	80 - 126
1,1-Dichloroethene	5.00	4.75		ug/L		95	78 - 151
Trichloroethene	5.00	5.09		ug/L		102	79 - 131

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: LCS 580-87872/5

Matrix: Water

Analysis Batch: 87872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		75 - 120
Ethylbenzene-d10	96		75 - 125
Fluorobenzene (Surr)	101		70 - 130
Trifluorotoluene (Surr)	120		80 - 125
Toluene-d8 (Surr)	98		75 - 125

Lab Sample ID: LCSD 580-87872/6

Matrix: Water

Analysis Batch: 87872

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Chlorobenzene	5.00	4.62		ug/L		92	71 - 140	2	20	
Benzene	5.00	5.21		ug/L		104	75 - 142	0	20	
Toluene	5.00	5.39		ug/L		108	80 - 126	1	20	
1,1-Dichloroethene	5.00	4.83		ug/L		97	78 - 151	2	20	
Trichloroethene	5.00	5.06		ug/L		101	79 - 131	1	20	

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		75 - 120
Ethylbenzene-d10	97		75 - 125
Fluorobenzene (Surr)	102		70 - 130
Trifluorotoluene (Surr)	119		80 - 125
Toluene-d8 (Surr)	99		75 - 125

Lab Sample ID: MB 580-88015/4

Matrix: Water

Analysis Batch: 88015

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	ND		0.20		ug/L		06/15/11 13:55	1	
2-Chlorotoluene	ND		0.10		ug/L		06/15/11 13:55	1	
1,2,3-Trichloropropane	ND		0.20		ug/L		06/15/11 13:55	1	
Carbon tetrachloride	ND		0.10		ug/L		06/15/11 13:55	1	
cis-1,3-Dichloropropene	ND		0.10		ug/L		06/15/11 13:55	1	
Chlorobenzene	ND		0.10		ug/L		06/15/11 13:55	1	
Vinyl chloride	ND		0.020		ug/L		06/15/11 13:55	1	
sec-Butylbenzene	ND		0.10		ug/L		06/15/11 13:55	1	
Dibromomethane	ND		0.10		ug/L		06/15/11 13:55	1	
m-Xylene & p-Xylene	ND		0.20		ug/L		06/15/11 13:55	1	
o-Xylene	ND		0.10		ug/L		06/15/11 13:55	1	
1,2,4-Trichlorobenzene	ND		0.20		ug/L		06/15/11 13:55	1	
Styrene	ND		0.10		ug/L		06/15/11 13:55	1	
Chlorobromomethane	ND		0.10		ug/L		06/15/11 13:55	1	
Dichlorobromomethane	ND		0.10		ug/L		06/15/11 13:55	1	
1,3-Dichlorobenzene	ND		0.20		ug/L		06/15/11 13:55	1	
Benzene	ND		0.10		ug/L		06/15/11 13:55	1	
Chloroethane	ND		0.25		ug/L		06/15/11 13:55	1	
trans-1,3-Dichloropropene	ND		0.10		ug/L		06/15/11 13:55	1	
1,2,3-Trichlorobenzene	ND		0.40		ug/L		06/15/11 13:55	1	

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: MB 580-88015/4

Matrix: Water

Analysis Batch: 88015

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
4-Isopropyltoluene	ND		0.20		ug/L			06/15/11 13:55	1
n-Butylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
1,1-Dichloropropene	ND		0.10		ug/L			06/15/11 13:55	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/15/11 13:55	1
1,1,2,2-Tetrachloroethane	ND		0.10		ug/L			06/15/11 13:55	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
Toluene	ND		0.10		ug/L			06/15/11 13:55	1
Naphthalene	ND		0.40		ug/L			06/15/11 13:55	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
1,3-Dichloropropane	ND		0.10		ug/L			06/15/11 13:55	1
Chloroform	ND		0.10		ug/L			06/15/11 13:55	1
4-Chlorotoluene	ND		0.20		ug/L			06/15/11 13:55	1
Chlorodibromomethane	ND		0.10		ug/L			06/15/11 13:55	1
Dichlorodifluoromethane	ND		0.40		ug/L			06/15/11 13:55	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/15/11 13:55	1
tert-Butylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
Chloromethane	ND		0.10		ug/L			06/15/11 13:55	1
Methylene Chloride	ND		0.50		ug/L			06/15/11 13:55	1
1,1-Dichloroethene	ND		0.10		ug/L			06/15/11 13:55	1
Isopropylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
1,2-Dichloroethane	ND		0.10		ug/L			06/15/11 13:55	1
Tetrachloroethene	ND		0.10		ug/L			06/15/11 13:55	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/15/11 13:55	1
2,2-Dichloropropane	ND		0.10		ug/L			06/15/11 13:55	1
1,2-Dibromoethane	ND		0.10		ug/L			06/15/11 13:55	1
Bromoform	ND		0.10		ug/L			06/15/11 13:55	1
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/15/11 13:55	1
Trichlorofluoromethane	ND		0.10		ug/L			06/15/11 13:55	1
Trichloroethene	ND		0.10		ug/L			06/15/11 13:55	1
Bromobenzene	ND		0.10		ug/L			06/15/11 13:55	1
1,2-Dichloropropane	ND		0.10		ug/L			06/15/11 13:55	1
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/15/11 13:55	1
Ethylbenzene	ND		0.10		ug/L			06/15/11 13:55	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/15/11 13:55	1
Hexachlorobutadiene	ND		0.20		ug/L			06/15/11 13:55	1
1,1-Dichloroethane	ND		0.10		ug/L			06/15/11 13:55	1
Bromomethane	ND		0.10		ug/L			06/15/11 13:55	1
1,4-Dichlorobenzene	ND		0.20		ug/L			06/15/11 13:55	1
Methyl tert-butyl ether	ND		0.10		ug/L			06/15/11 13:55	1
Acetone	ND		2.0		ug/L			06/15/11 13:55	1
2-Butanone	ND		2.0		ug/L			06/15/11 13:55	1
4-Methyl-2-pentanone	ND		0.50		ug/L			06/15/11 13:55	1
Carbon disulfide	ND		0.10		ug/L			06/15/11 13:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		75 - 120		06/15/11 13:55	1
Ethylbenzene-d10	94		75 - 125		06/15/11 13:55	1
Fluorobenzene (Surr)	103		70 - 130		06/15/11 13:55	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

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

Lab Sample ID: MB 580-88015/4
Matrix: Water
Analysis Batch: 88015

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Trifluorotoluene (Surr)	116		80 - 125		06/15/11 13:55	1
Toluene-d8 (Surr)	98		75 - 125		06/15/11 13:55	1

Lab Sample ID: LCS 580-88015/5
Matrix: Water
Analysis Batch: 88015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Chlorobenzene	5.00	4.49		ug/L		90	71 - 140	
Benzene	5.00	5.27		ug/L		105	75 - 142	
Toluene	5.00	5.21		ug/L		104	80 - 126	
1,1-Dichloroethene	5.00	5.29		ug/L		106	78 - 151	
Trichloroethene	5.00	5.27		ug/L		105	79 - 131	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		75 - 120
Ethylbenzene-d10	95		75 - 125
Fluorobenzene (Surr)	101		70 - 130
Trifluorotoluene (Surr)	115		80 - 125
Toluene-d8 (Surr)	97		75 - 125

Lab Sample ID: LCSD 580-88015/6
Matrix: Water
Analysis Batch: 88015

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Chlorobenzene	5.00	4.66		ug/L		93	71 - 140	4	20	
Benzene	5.00	5.03		ug/L		101	75 - 142	5	20	
Toluene	5.00	5.02		ug/L		100	80 - 126	4	20	
1,1-Dichloroethene	5.00	5.22		ug/L		104	78 - 151	1	20	
Trichloroethene	5.00	4.82		ug/L		96	79 - 131	9	20	

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		75 - 120
Ethylbenzene-d10	93		75 - 125
Fluorobenzene (Surr)	97		70 - 130
Trifluorotoluene (Surr)	102		80 - 125
Toluene-d8 (Surr)	97		75 - 125

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-205505/24
Matrix: Water
Analysis Batch: 205505

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethane	ND		1.1		ug/L		06/09/11 11:19	1	
Ethylene	ND		1.0		ug/L		06/09/11 11:19	1	
Methane	ND		0.58		ug/L		06/09/11 11:19	1	

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-205505/22
Matrix: Water
Analysis Batch: 205505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Ethane	282	326		ug/L		116	75 - 125	
Ethylene	271	328		ug/L		121	75 - 125	
Methane	153	183		ug/L		120	75 - 125	

Lab Sample ID: LCSD 680-205505/23
Matrix: Water
Analysis Batch: 205505

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Ethane	282	306		ug/L		108	75 - 125	7	30	
Ethylene	271	305		ug/L		113	75 - 125	7	30	
Methane	153	171		ug/L		112	75 - 125	7	30	

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 580-87465/1-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87465

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
alpha-BHC	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
beta-BHC	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
delta-BHC	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
gamma-BHC (Lindane)	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDD	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDE	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
4,4'-DDT	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Dieldrin	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan I	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan II	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endosulfan sulfate	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin aldehyde	ND		0.050		ug/L		06/08/11 09:32	06/08/11 23:41	1
Heptachlor	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Heptachlor epoxide	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Methoxychlor	ND		0.10		ug/L		06/08/11 09:32	06/08/11 23:41	1
Endrin ketone	ND		0.020		ug/L		06/08/11 09:32	06/08/11 23:41	1
Toxaphene	ND		1.0		ug/L		06/08/11 09:32	06/08/11 23:41	1
alpha-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
gamma-Chlordane	ND		0.010		ug/L		06/08/11 09:32	06/08/11 23:41	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier							
Tetrachloro-m-xylene	63		18 - 181				06/08/11 09:32	06/08/11 23:41	1
DCB Decachlorobiphenyl	69		53 - 122				06/08/11 09:32	06/08/11 23:41	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 580-87465/2-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Aldrin	0.200	0.180		ug/L		90	44 - 139	
alpha-BHC	0.200	0.208		ug/L		104	41 - 133	
beta-BHC	0.200	0.202		ug/L		101	54 - 130	
delta-BHC	0.200	0.197		ug/L		98	7 - 169	
gamma-BHC (Lindane)	0.200	0.217		ug/L		108	53 - 134	
4,4'-DDD	0.200	0.249		ug/L		125	40 - 152	
4,4'-DDE	0.200	0.228		ug/L		114	43 - 148	
4,4'-DDT	0.200	0.192		ug/L		96	37 - 162	
Dieldrin	0.200	0.247		ug/L		124	46 - 145	
Endosulfan I	0.200	0.237		ug/L		118	49 - 132	
Endosulfan II	0.200	0.268		ug/L		134	54 - 138	
Endosulfan sulfate	0.200	0.231		ug/L		116	48 - 130	
Endrin	0.200	0.257		ug/L		129	51 - 142	
Endrin aldehyde	0.200	0.235		ug/L		118	27 - 183	
Heptachlor	0.200	0.243		ug/L		122	53 - 130	
Heptachlor epoxide	0.200	0.237		ug/L		118	54 - 125	
Methoxychlor	0.200	0.250		ug/L		125	47 - 167	
Endrin ketone	0.200	0.253		ug/L		127	48 - 134	
alpha-Chlordane	0.200	0.226		ug/L		113	40 - 131	
gamma-Chlordane	0.200	0.227		ug/L		114	46 - 131	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	62		18 - 181
DCB Decachlorobiphenyl	64		53 - 122

Lab Sample ID: LCSD 580-87465/3-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits			
Aldrin	0.200	0.200		ug/L		100	44 - 139	11	38	
alpha-BHC	0.200	0.218		ug/L		109	41 - 133	5	41	
beta-BHC	0.200	0.211		ug/L		106	54 - 130	4	34	
delta-BHC	0.200	0.204		ug/L		102	7 - 169	3	49	
gamma-BHC (Lindane)	0.200	0.223		ug/L		112	53 - 134	3	42	
4,4'-DDD	0.200	0.266		ug/L		133	40 - 152	7	47	
4,4'-DDE	0.200	0.259		ug/L		130	43 - 148	13	43	
4,4'-DDT	0.200	0.210		ug/L		105	37 - 162	9	49	
Dieldrin	0.200	0.260		ug/L		130	46 - 145	5	39	
Endosulfan I	0.200	0.249		ug/L		124	49 - 132	5	40	
Endosulfan II	0.200	0.260		ug/L		130	54 - 138	3	37	
Endosulfan sulfate	0.200	0.240		ug/L		120	48 - 130	4	34	
Endrin	0.200	0.269		ug/L		135	51 - 142	5	41	
Endrin aldehyde	0.200	0.236		ug/L		118	27 - 183	0	43	
Heptachlor	0.200	0.259		ug/L		130	53 - 130	6	39	
Heptachlor epoxide	0.200	0.249		ug/L		124	54 - 125	5	35	
Methoxychlor	0.200	0.260		ug/L		130	47 - 167	4	37	
Endrin ketone	0.200	0.270	*	ug/L		135	48 - 134	7	37	
alpha-Chlordane	0.200	0.243		ug/L		122	40 - 131	7	43	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 580-87465/3-A
Matrix: Water
Analysis Batch: 87537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits	RPD		
gamma-Chlordane	0.200	0.245		ug/L		122	46 - 131	8	40	
Surrogate										
		LCSD	LCSD				% Recovery	Qualifier	Limits	
Tetrachloro-m-xylene							73		18 - 181	
DCB Decachlorobiphenyl							78		53 - 122	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 580-87431/9-C
Matrix: Water
Analysis Batch: 87959

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 87862

Analyte	Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 15:30	5
Cadmium	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 15:30	5
Copper	ND		0.0050		mg/L		06/14/11 09:50	06/14/11 15:30	5
Lead	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 15:30	5
Manganese	ND		0.0020		mg/L		06/14/11 09:50	06/14/11 15:30	5
Zinc	ND		0.0070		mg/L		06/14/11 09:50	06/14/11 15:30	5

Lab Sample ID: LCS 580-87862/24-A
Matrix: Water
Analysis Batch: 87959

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Arsenic	4.00	4.06		mg/L		101	80 - 120	
Antimony	3.00	2.78		mg/L		93	80 - 120	
Cadmium	0.100	0.0994		mg/L		99	80 - 120	
Copper	0.500	0.509		mg/L		102	80 - 120	
Lead	1.00	0.988		mg/L		99	80 - 120	
Manganese	1.00	1.01		mg/L		101	80 - 120	
Zinc	1.00	1.04		mg/L		104	80 - 120	

Lab Sample ID: LCSD 580-87862/25-A
Matrix: Water
Analysis Batch: 87959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 87862

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD
							Limits	RPD	
Arsenic	4.00	4.00		mg/L		100	80 - 120	1	20
Antimony	3.00	2.75		mg/L		92	80 - 120	1	20
Cadmium	0.100	0.0983		mg/L		98	80 - 120	1	20
Copper	0.500	0.505		mg/L		101	80 - 120	1	20
Lead	1.00	0.987		mg/L		99	80 - 120	0	20
Manganese	1.00	1.01		mg/L		101	80 - 120	0	20
Zinc	1.00	1.02		mg/L		102	80 - 120	2	20

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 580-87862/26-A
Matrix: Water
Analysis Batch: 87959

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 87862

Analyte	Spike Added	LCSSRM		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Arsenic	4.00	4.08		mg/L		102	80 - 120	
Antimony	3.00	2.81		mg/L		94	80 - 120	
Cadmium	0.100	0.106		mg/L		106	80 - 120	
Copper	0.500	0.508		mg/L		102	80 - 120	
Lead	1.00	1.01		mg/L		101	80 - 120	
Manganese	1.00	1.02		mg/L		102	80 - 120	
Zinc	1.00	1.00		mg/L		100	80 - 120	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 580-87513/20-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87513

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:09	1

Lab Sample ID: LCS 580-87513/21-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.00200	0.00213		mg/L		106	80 - 120	

Lab Sample ID: LCSD 580-87513/22-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Mercury	0.00200	0.00214		mg/L		107	80 - 120	0	20	

Lab Sample ID: LCSSRM 580-87513/23-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87513

Analyte	Spike Added	LCSSRM		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.00200	0.00216		mg/L		108	75 - 125	

Lab Sample ID: LCS 580-87518/17-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Mercury	0.00200	0.00218		mg/L		109	80 - 120	

Lab Sample ID: LCSD 580-87518/18-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Mercury	0.00200	0.00218		mg/L		109	80 - 120	0	20	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Lab Sample ID: LCSSRM 580-87518/19-A
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87518

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00200	0.00221		mg/L		110	75 - 125	

Lab Sample ID: MB 580-87431/9-B
Matrix: Water
Analysis Batch: 87619

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 87518

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020		mg/L		06/09/11 08:30	06/09/11 12:58	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-87485/5
Matrix: Water
Analysis Batch: 87485

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	ND		0.90		mg/L			06/03/11 11:31	1
Sulfate	ND		1.2		mg/L			06/03/11 11:31	1

Lab Sample ID: LCS 580-87485/6
Matrix: Water
Analysis Batch: 87485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Chloride	5.00	4.84		mg/L		97	90 - 110	
Sulfate	15.0	14.8		mg/L		99	90 - 110	

Lab Sample ID: 580-26540-7 MS
Matrix: Water
Analysis Batch: 87485

Client Sample ID: BLIND
Prep Type: Total/NA

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Chloride	19		40.0	61.7		mg/L		107	90 - 110	
Sulfate	160		40.0	204	4	mg/L		108	90 - 110	

Lab Sample ID: 580-26540-7 DU
Matrix: Water
Analysis Batch: 87485

Client Sample ID: BLIND
Prep Type: Total/NA

Analyte	Sample Sample		Spike Added	DU DU		Unit	D	RPD	RPD	
	Result	Qualifier		Result	Qualifier				Limit	
Chloride	21		40.0	21.3		mg/L		0.1	10	

Lab Sample ID: 580-26540-7 DU
Matrix: Water
Analysis Batch: 87485

Client Sample ID: BLIND
Prep Type: Total/NA

Analyte	Sample Sample		Spike Added	DU DU		Unit	D	RPD	RPD	
	Result	Qualifier		Result	Qualifier				Limit	
Sulfate	160		40.0	161		mg/L		0.4	10	

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 580-87486/5
Matrix: Water
Analysis Batch: 87486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	ND		0.90		mg/L			06/03/11 11:31	1

Lab Sample ID: LCS 580-87486/6
Matrix: Water
Analysis Batch: 87486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits

Lab Sample ID: 580-26540-7 MS
Matrix: Water
Analysis Batch: 87486

Client Sample ID: BLIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec Limits

Lab Sample ID: 580-26540-7 DU
Matrix: Water
Analysis Batch: 87486

Client Sample ID: BLIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit

Method: 310.1 - Alkalinity

Lab Sample ID: MB 580-87824/1
Matrix: Water
Analysis Batch: 87824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Alkalinity	ND		5.0		mg/L			06/13/11 17:08	1

Lab Sample ID: LCS 580-87824/2
Matrix: Water
Analysis Batch: 87824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits

Method: 415.1 - TOC

Lab Sample ID: MB 580-88007/5
Matrix: Water
Analysis Batch: 88007

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon	ND		1.0		mg/L			06/13/11 14:00	1

QC Sample Results

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Method: 415.1 - TOC (Continued)

Lab Sample ID: LCS 580-88007/6
Matrix: Water
Analysis Batch: 88007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Carbon	15.0	14.8		mg/L		99	85 - 115

Lab Sample ID: 580-26540-3 MS
Matrix: Water
Analysis Batch: 88007

Client Sample ID: MW-7A-060211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Organic Carbon	7.8		10.0	17.0		mg/L		91	85 - 115

Lab Sample ID: 580-26540-3 DU
Matrix: Water
Analysis Batch: 88007

Client Sample ID: MW-7A-060211
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	7.8		7.77		mg/L		1	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-11-060211

Lab Sample ID: 580-26540-1

Date Collected: 06/02/11 07:18

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 03:31	SK	TAL SEA
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 01:57	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:34	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:22	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 16:56	FCW	TAL SEA
Dissolved	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 17:41	FCW	TAL SEA

Client Sample ID: MW-7B-060211

Lab Sample ID: 580-26540-2

Date Collected: 06/02/11 08:18

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 03:58	SK	TAL SEA
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 02:17	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:36	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:24	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:01	FCW	TAL SEA
Dissolved	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 17:46	FCW	TAL SEA

Client Sample ID: MW-7A-060211

Lab Sample ID: 580-26540-3

Date Collected: 06/02/11 09:22

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 04:24	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205505	06/09/11 15:42	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 02:36	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:38	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:26	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:06	FCW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-7A-060211

Lab Sample ID: 580-26540-3

Date Collected: 06/02/11 09:22

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 17:51	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87485	06/03/11 16:20	AM	TAL SEA
Total/NA	Analysis	300.0		10	87485	06/14/11 14:58	AM	TAL SEA
Total/NA	Analysis	300.0		1	87486	06/03/11 16:20	AM	TAL SEA
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	88007	06/13/11 14:00	AM	TAL SEA

Client Sample ID: MW-10-060211

Lab Sample ID: 580-26540-4

Date Collected: 06/02/11 10:28

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 04:49	SK	TAL SEA
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 05:31	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:39	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:27	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:11	FCW	TAL SEA
Dissolved	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 17:56	FCW	TAL SEA

Client Sample ID: MW-1-060211

Lab Sample ID: 580-26540-5

Date Collected: 06/02/11 11:42

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	88015	06/15/11 16:28	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205505	06/09/11 15:55	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 05:50	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:41	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:29	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:16	FCW	TAL SEA
Dissolved	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 18:01	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87485	06/03/11 16:37	AM	TAL SEA
Total/NA	Analysis	300.0		1	87486	06/03/11 16:37	AM	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: MW-1-060211

Lab Sample ID: 580-26540-5

Date Collected: 06/02/11 11:42

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	88007	06/13/11 14:00	AM	TAL SEA

Client Sample ID: WDOE-6-060211

Lab Sample ID: 580-26540-6

Date Collected: 06/02/11 12:46

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 05:15	SK	TAL SEA
Total/NA	Analysis	8260B	DL	10	87872	06/14/11 18:07	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205505	06/09/11 16:08	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 06:09	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:43	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:31	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:21	FCW	TAL SEA
Dissolved	Prep	3005A			87862	06/14/11 09:50	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 18:06	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87485	06/03/11 16:53	AM	TAL SEA
Total/NA	Analysis	300.0		10	87485	06/14/11 15:15	AM	TAL SEA
Total/NA	Analysis	300.0		1	87486	06/03/11 16:53	AM	TAL SEA
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	88007	06/13/11 14:00	AM	TAL SEA

Client Sample ID: BLIND

Lab Sample ID: 580-26540-7

Date Collected: 06/02/11 13:16

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	87710	06/11/11 05:40	SK	TAL SEA
Total/NA	Analysis	8260B	DL	10	87872	06/14/11 18:33	SK	TAL SEA
Total/NA	Analysis	RSK-175		1	205505	06/09/11 16:21	AGM	TAL SAV
Total/NA	Prep	3510C			87465	06/08/11 09:32	DB	TAL SEA
Total/NA	Analysis	8081A		1	87537	06/09/11 06:29	BT	TAL SEA
Total/NA	Prep	7470A			87513	06/09/11 08:30	ZF	TAL SEA
Total/NA	Analysis	7470A		1	87619	06/09/11 12:44	FCW	TAL SEA
Dissolved	Prep	7470A			87518	06/09/11 08:30	ZF	TAL SEA
Dissolved	Analysis	7470A		1	87619	06/09/11 13:32	FCW	TAL SEA
Total Recoverable	Prep	3005A			87862	06/14/11 09:39	ZF	TAL SEA
Total Recoverable	Analysis	6020		5	87959	06/14/11 17:26	FCW	TAL SEA

Lab Chronicle

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Client Sample ID: BLIND

Lab Sample ID: 580-26540-7

Date Collected: 06/02/11 13:16

Matrix: Water

Date Received: 06/03/11 10:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			87862	06/14/11 09:50	ZF	TAL SEA
Dissolved	Analysis	6020		5	87959	06/14/11 18:11	FCW	TAL SEA
Total/NA	Analysis	300.0		1	87485	06/03/11 17:09	AM	TAL SEA
Total/NA	Analysis	300.0		10	87485	06/14/11 15:31	AM	TAL SEA
Total/NA	Analysis	300.0		1	87486	06/03/11 17:09	AM	TAL SEA
Total/NA	Analysis	310.1		1	87824	06/13/11 17:08	SH	TAL SEA
Total/NA	Analysis	415.1		1	88007	06/13/11 14:00	AM	TAL SEA

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310



Certification Summary

Client: Farallon Consulting LLC
 Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022
TestAmerica Seattle	Alaska	TA-Port Heiden Mobile Lab	10	UST-093
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana	MT DEQ UST	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	USDA		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04

Certification Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Sample Summary

Client: Farallon Consulting LLC
Project/Site: YSF Yakima Steel

TestAmerica Job ID: 580-26540-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-26540-1	MW-11-060211	Water	06/02/11 07:18	06/03/11 10:13
580-26540-2	MW-7B-060211	Water	06/02/11 08:18	06/03/11 10:13
580-26540-3	MW-7A-060211	Water	06/02/11 09:22	06/03/11 10:13
580-26540-4	MW-10-060211	Water	06/02/11 10:28	06/03/11 10:13
580-26540-5	MW-1-060211	Water	06/02/11 11:42	06/03/11 10:13
580-26540-6	WDOE-6-060211	Water	06/02/11 12:46	06/03/11 10:13
580-26540-7	BLIND	Water	06/02/11 13:16	06/03/11 10:13

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Rush

Short Hold

**Chain of
Custody Record**

Client Forallon		Client Contact Brett Comp		Date 6-2-11	Chain of Custody Number 11303
Address		Telephone Number (Area Code)/Fax Number (425) 295-0800		Lab Number 26540	Page 1 of 1

City Issaquah	State WA	Zip Code 98027	Sampler R. Hibbs	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Y5F Yukiwa WA			Billing Contact		

Contract/Purchase Order/Quote No. 765-001	Matrix	Containers & Preservatives	Special Instructions/ Conditions of Receipt
---	--------	----------------------------	--

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Vols	Original container Packed in Tubs	Tubs	Alkalinity	Seal Int	Nitrate	TOC	Chloride	Methane, Ethane, Propane													
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH																							
MW-11-060211	6-2-11	0718	X				X	X	X	X				X	X	X																			
MW-7B-060211		0818						3	1	3	1			X	X	X																			
MW-7A-060211		0922						3	1	6	1			X	X	X	X	X	X	X	X	X	X	X											
MW-10-060211		1028						3	1	3	1			X	X	X																			
MW-1-060211		1192						3	1	6	1			X	X	X	X	X	X	X	X	X	X	X											
MW-1100E-6-060211		1246						3	1	6	1			X	X	X	X	X	X	X	X	X	X	X											
Blind		1316						3	1	6	1			X	X	X	X	X	X	X	X	X	X	X											
Trip Blank											3																								

Cooler (TB) Dig/IR cor 1.3 unc 1.3 Cooler Dsc Lg Gr/blv @ Lab Wet/Packs Packing bubble #2 w/o	Cooler (TB) Dig/IR cor 0.7 unc 0.7 Cooler Dsc Lg Gr/bl @ Lab Net/Packs Packing bubble	Cooler (TB) Dig/IR cor 1.9 unc 1.9 Cooler Dsc Lg Bly/wh @ Lab Wet/Packs Packing bubble
--	---	--

Cooler <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temp: _____	Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
---	--	---	---

Turn Around Time Required (business days) <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input type="checkbox"/> Other _____	QC Requirements (Specify)
--	---------------------------

1. Relinquished By Sign/Print Ryan Hibbs	Date 6-3-11	Time 1013	1. Received By Sign/Print Tom Blankinship	Date 6/3/11	Time 1013
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time	3. Received By Sign/Print	Date	Time

Comments
Dissolved metals not filtered

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26540-1

Login Number: 26540

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-26540-1

Login Number: 26540

List Source: TestAmerica Savannah

List Number: 1

List Creation: 06/07/11 12:16 PM

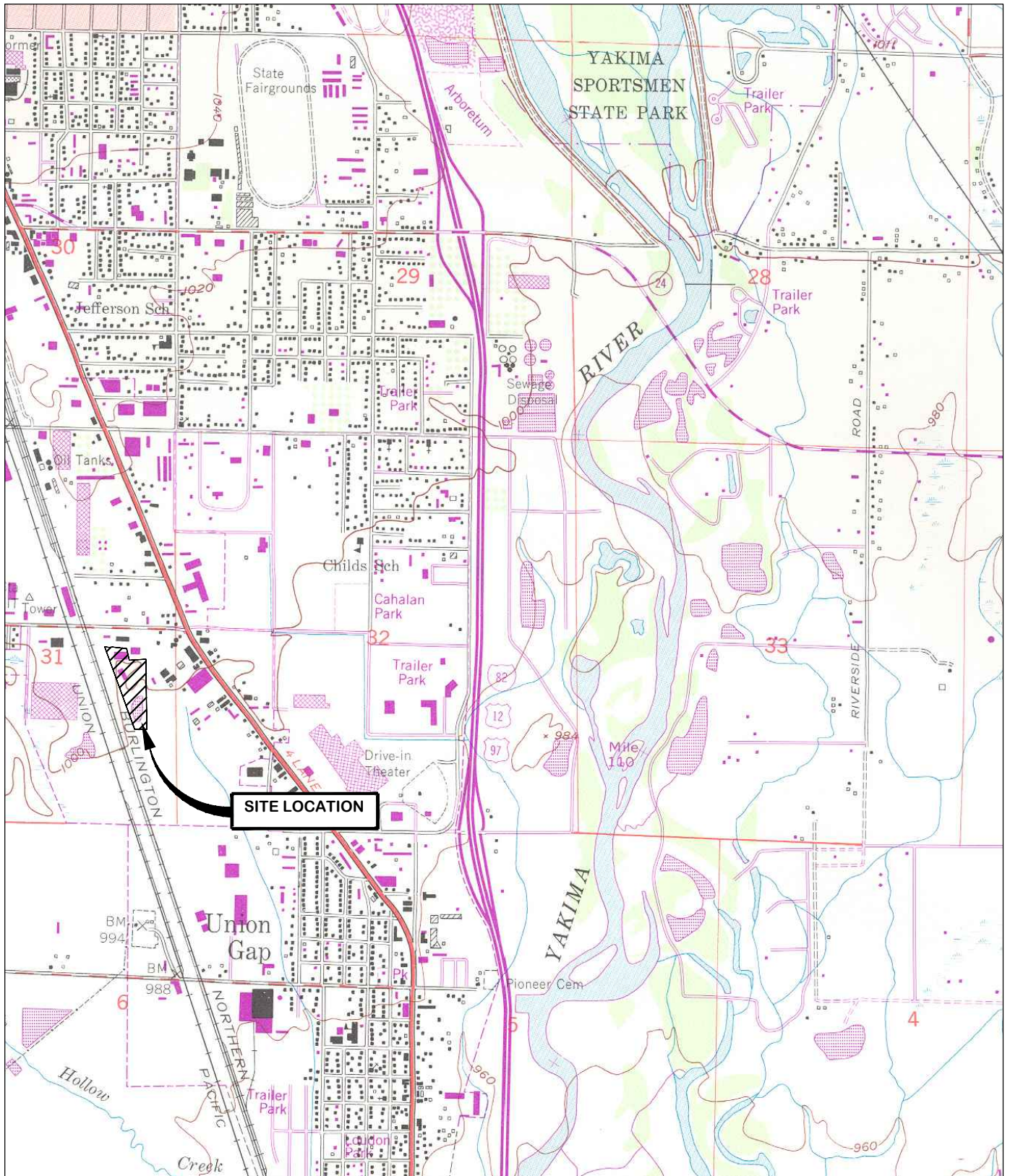
Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Received Trip Blank(s) & vials for -5 not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT C
WETLAND EVALUATION TM FIGURES AND TABLES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington

Farallon PN: 765-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE YAKIMA SOUTH, WASHINGTON. DATED 1953 AND PHOTOREVISED 1981



WASHINGTON




Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

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FIGURE 1

SITE VICINITY MAP
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001






Drawn By: DEW

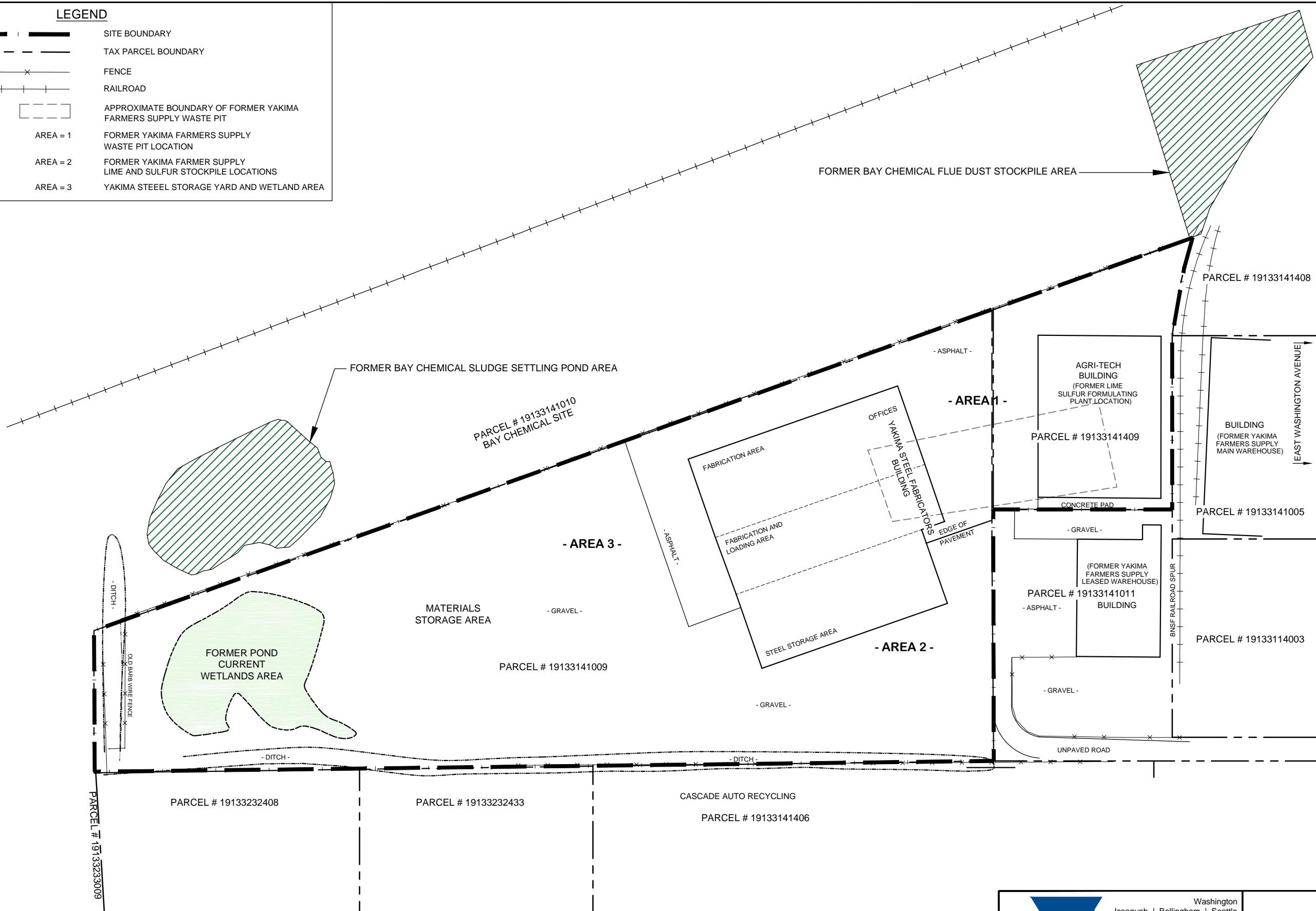
Checked By: HC

Date: 1/25/2016

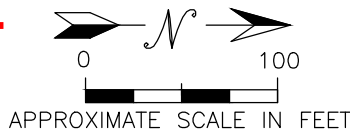
Disk Reference: 765001a

LEGEND

-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD
-  APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA = 1 FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA = 2 FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA = 3 YAKIMA STEEL STORAGE YARD AND WETLAND AREA



DRAFT




Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

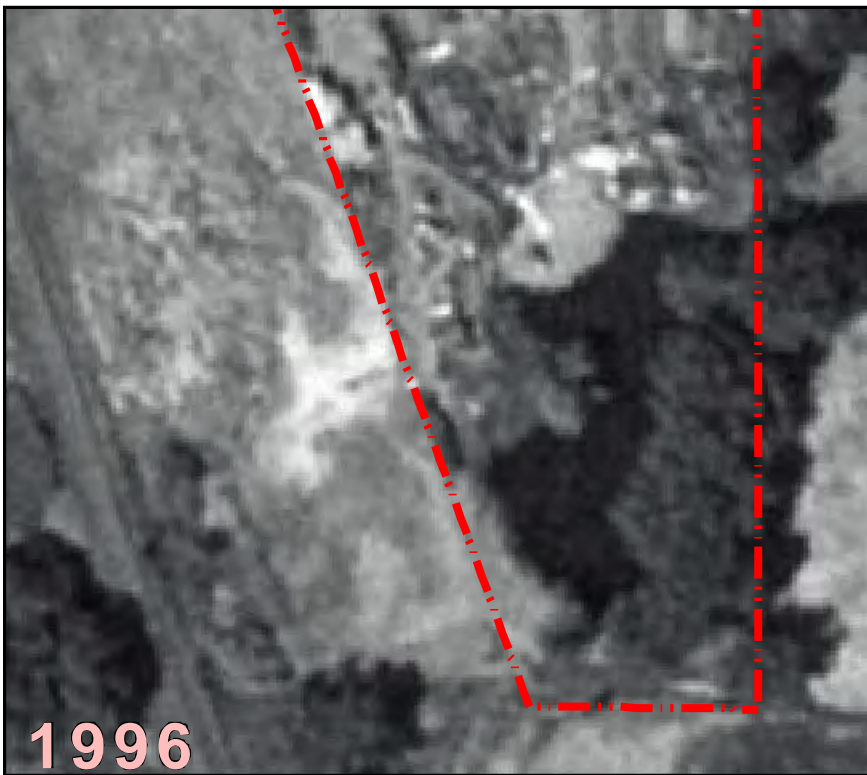
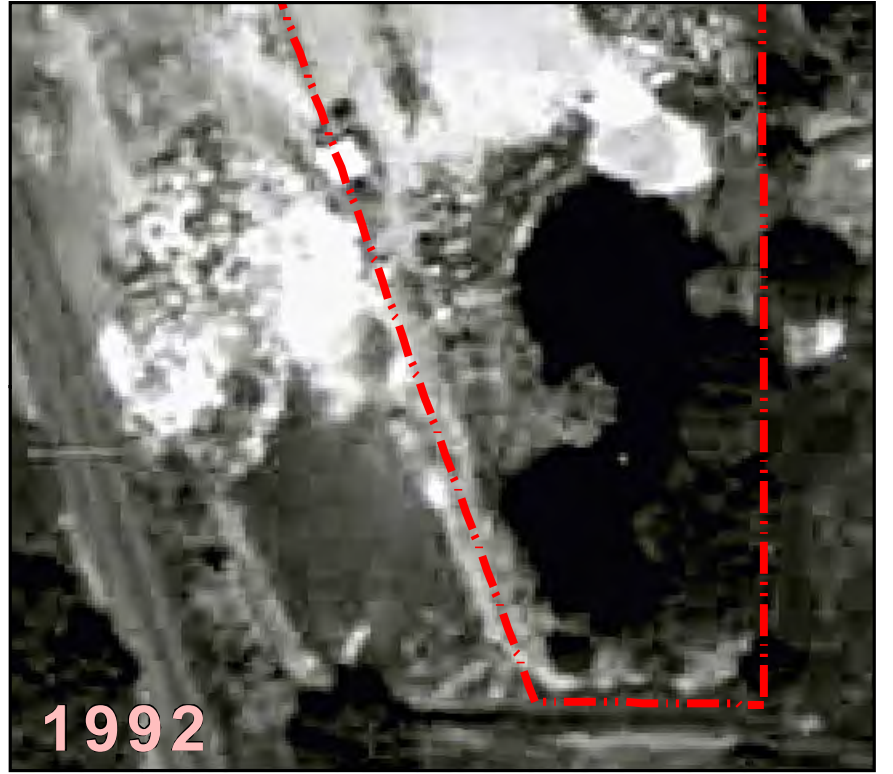
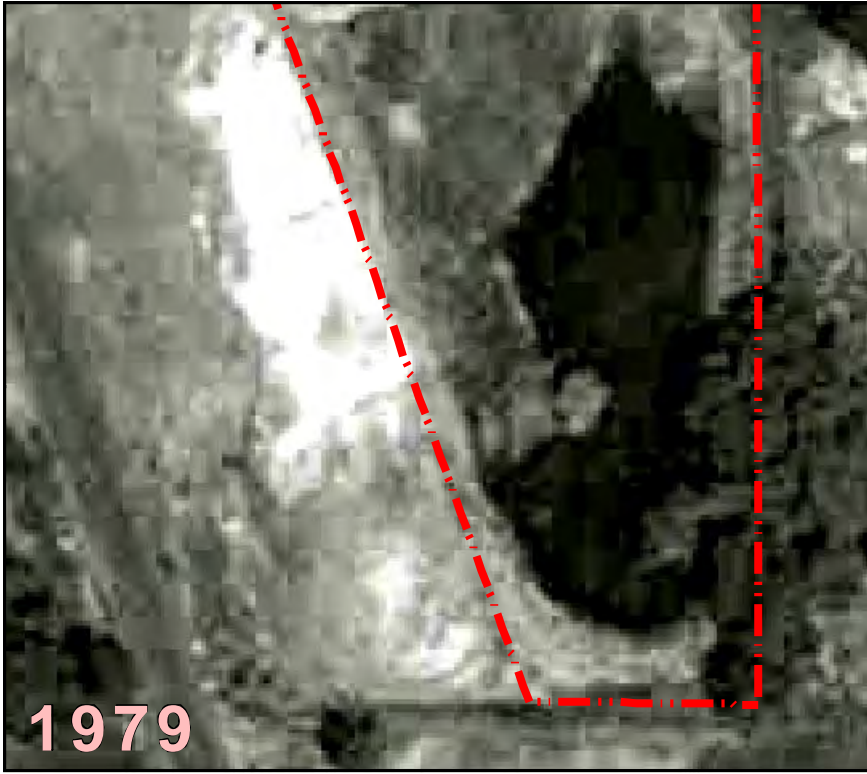
California
Oakland | Sacramento | Irvine

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FIGURE 2
SITE PLAN AND TAX PARCEL LOCATIONS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001



LEGEND

 SITE BOUNDARY

0 100
SCALE IN FEET




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Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

Drawn By: ebuer

Checked By: JC

Date: 1/31/2017

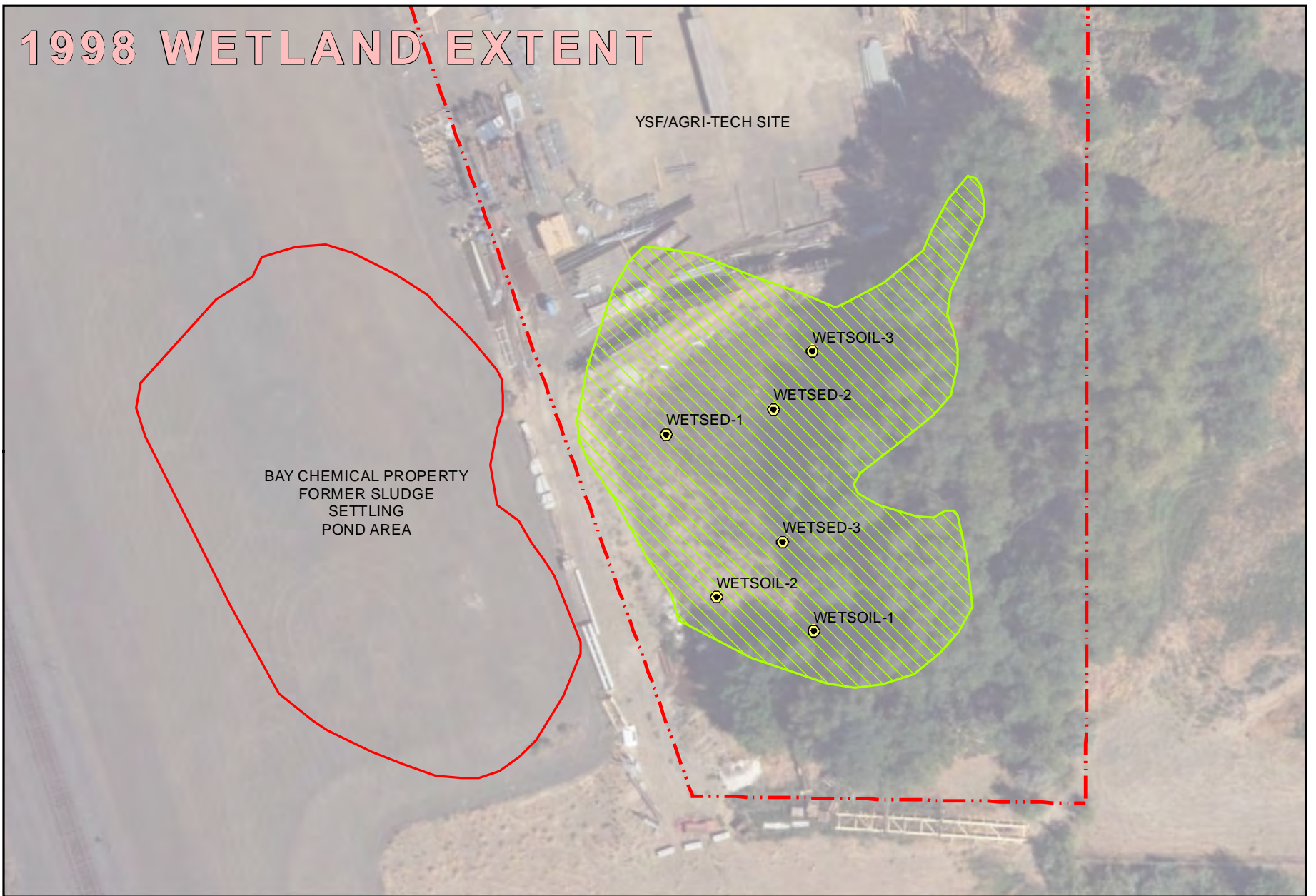
Disc Reference:

Document Path: G:\Projects\765001 Yakima Steel Fab\GISMapfiles\Wetland\Wetland_TimeLapse.mxd

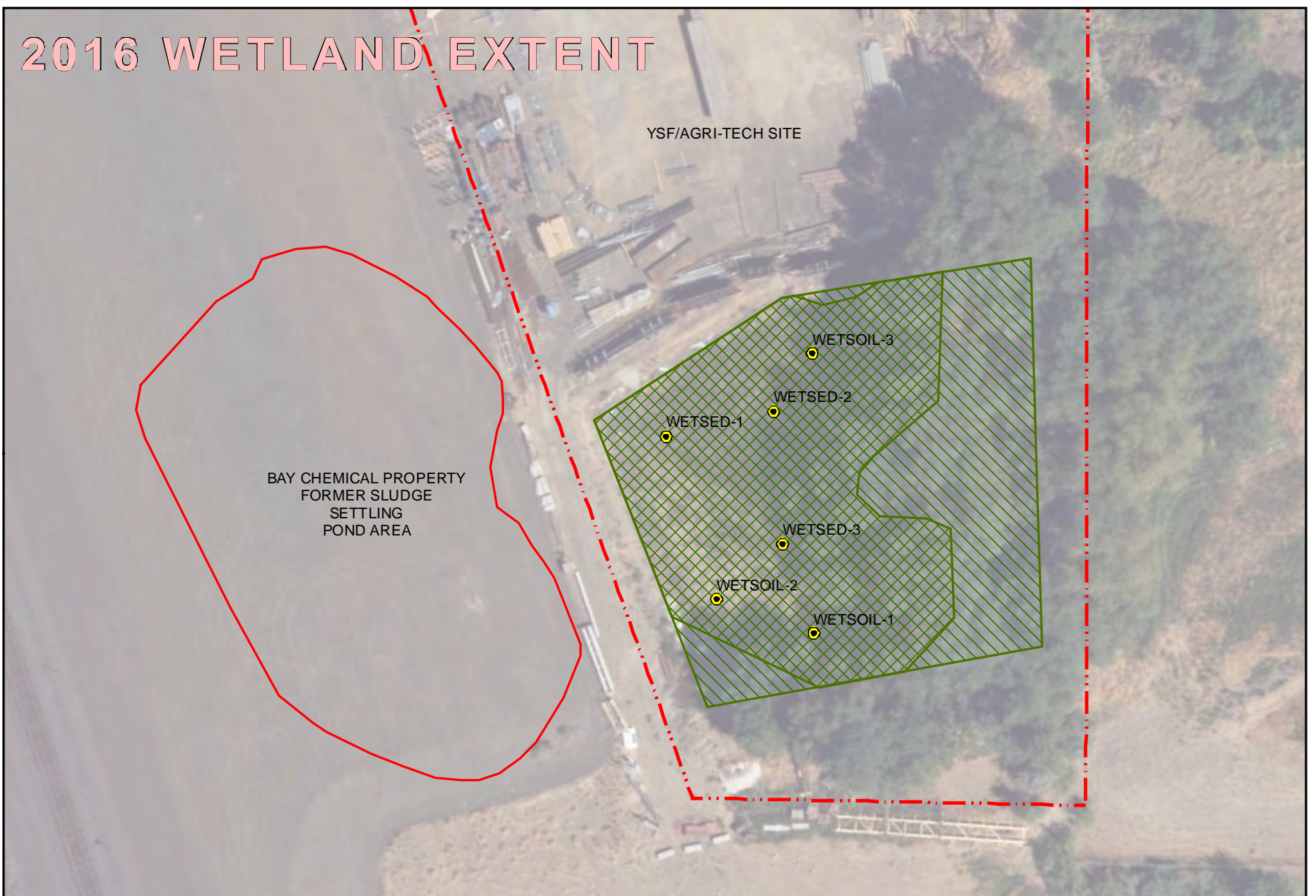
FIGURE 3
HISTORICAL WETLAND EXTENT
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001







1998 WETLAND EXTENT



2016 WETLAND EXTENT



LEGEND

-  SAMPLE LOCATION
-  FORMER SLUDGE SETTLING POND AREA
-  YSF/AGRI-TECH SITE
-  1998 WETLAND EXTENT
-  2016 EMERGENT WETLAND
-  2016 WETLAND EXTENT




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Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

FIGURE 4
WETLAND BOUNDARIES
YSF/AGRI-TECH SITE
6 AND 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 555-001

Drawn By: ebuer

Checked By: JC

Date: 1/31/2017

Disc Reference:

Document Path: G:\Projects\765001 Yakima Steel Fab\GISMapfiles\Wetland\Figure_03.mxd

**Table 1
Analytical Results for Metals
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001**

Grid	Test Pit	Sample Identification	Laboratory Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²							
						Antimony ³	Arsenic ³	Cadmium ⁴	Copper ³	Lead ³	Manganese ³	Mercury ⁴	Zinc ³
Wetland Samples													
E	WetSoil-1	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<5.1	<5.1	3.7	39	110	190	0.14	1,700
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<2.4	<2.4	<0.40	17	4.2	160	0.043	310
	WetSoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<3.4	<3.4	1.6	19	19	250	0.071	670
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<3.0	<3.0	1.8	20	4.4	270	0.059	870
	WetSed-1	E-wetsed-1-053111	580-26360-1	5/23/2011	0.5	<5.8	<5.8	9.2	36	190	210	–	2,700
	WetSed-2	E-wetsed-2-053111	580-26360-1	5/23/2011	0.5	<6.9	7.6	6.8	41	150	220	–	2,800
WetSed-3	E-wetsed-3-053111	580-26360-1	5/23/2011	0.5	<6.1	8.5	7.8	52	180	270	–	2,700	
G	WetSoil-3	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<2.4	<2.4	<0.40	16	3.5	210	0.044	41
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<4.2	<4.2	1.5	40	80	470	0.14	510
Sediment Cleanup Objective⁵						--	14	2.1	400	360	--	0.7	3,200
Sediment Cleanup Screening Level⁵						--	120	5.4	1,200	1,300	--	0.8	4,200

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

Result exceeds the sediment cleanup objective.

Result exceeds the sediment cleanup screening level.

– = denotes sample not analyzed

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Methods 6000/6010/7000 Series.

³ Constituent was not retained as a COPC following completion of the *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel Fabricators*, 6 and 10 1/2 East Washington Avenue, Yakima, Washington dated June 10, 2004, prepared by Farallon Consulting, L.L.C. (Revised RI Report).

⁴ Identified and retained as COPC in the Revised RI Report.

⁵ Table VI, *Freshwater Sediment Cleanup Objectives and Cleanup Screening Levels Chemical Criteria*, of Section 563 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-563).

COPC = constituent of potential concern

L = a negative instrument reading had an absolute value greater than the reporting limit

Table 2
Analytical Results for Petroleum Hydrocarbons
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram)						
						GRO ²	DRO ³	ORO ³	Benzene ³	Toluene ³	Ethylbenzene ³	Xylenes ³
Wetland Samples												
E	Wetsoil-1	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<36	<90	<180	<0.0019	<0.0038	<0.0019*	<0.0047*
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<22	<54	<110	<0.0012 ^H	<0.0024 ^H	<0.0012 ^H	<0.0036 ^H
	Wetsoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<22	<55	<110	<0.00091 ^H	<0.0018 ^H	<0.00091 ^H	<0.00271 ^H
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<23	<58	<120	<0.0013 ^H	<0.0026 ^H	<0.0013 ^H	<0.0039 ^H
	WetSed-1	E-wetsed-1-052311	580-26502-1	5/23/2011	0.5	--	-	-	<0.0027	<0.0054	<0.0027	<0.0081
	WetSed-2	E-wetsed-2-052311	580-26502-1	5/23/2011	0.5	--	-	-	<0.0026	<0.0052	<0.0026	<0.0078
WetSed-3	E-wetsed-3-052311	580-26502-1	5/23/2011	0.5	--	-	-	<0.0033	<0.0066	<0.0033	<0.0099	
G	Wetsoil-3	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<24	<60	<120	<0.0013 ^H	<0.0025 ^H	<0.0013 ^H	<0.0038 ^H
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<30	<74	<150	<0.00094	<0.0019	<0.00094	<0.00284
Sediment Cleanup Objective⁴						--	340	3,600	--	--	--	--
Sediment Cleanup Screening Level⁴						--	510	4,400	--	--	--	--

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

¹ Depth in feet below ground surface.

² Analyzed by Northwest Method NWTPH-HCID.

³ Analyzed by Northwest Method NWTPH-Dx.

⁴ Table VI, *Freshwater Sediment Cleanup Objectives and Cleanup Screening Levels Chemical Criteria*, of Section 563 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-563).

COPC = constituent of potential concern

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

ORO = TPH as oil-range organics

H = sample was prepared or analyzed beyond the specified holding time

Table 3
Analytical Results for Volatile Organic Compounds
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²													
						Benzene ³	Ethyl-benzene ³	m,p-Xylene ³	o-Xylene ³	Toluene ³	Naphthalene ³	n-Butylbenzene ³	Sec-Butylbenzene ³	Isopropylbenzene ³	Methylene Chloride ³	4-Methyl-2-Pentanone ³	4-Isopropyltoluene ³	n-Propylbenzene ³	
Wetland Samples																			
E	Wetsoil-1	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.0019	<0.0019*	<0.0038 *	<0.0019 *	<0.0038	<0.0094 *	<0.0038 *	<0.0038 *	<0.0038 *	<0.028	<0.0094	<0.0038 *	<0.0019 *	
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.0012 H	<0.0012 H	<0.0024 H	<0.0012 H	<0.0024 H	<0.0060 H	<0.0024 H	<0.0024 H	<0.0024 H	<0.018 H	<0.0060 H	<0.0024 H	<0.0012 H	
	Wetsoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.00091 H	<0.00091 H	<0.0018 H	<0.00091 H	<0.0018 H	<0.0045 H	<0.0018 H	<0.0018 H	<0.0018 H	<0.014 H	<0.0045 H	<0.0018 H	<0.00091 H	
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.0013 H	<0.0013 H	<0.0026 H	<0.0013 H	<0.0026 H	<0.0065 H	<0.0026 H	<0.0026 H	<0.0026 H	<0.019 H	<0.0065 H	<0.0026 H	<0.0013 H	
	WetSed-1	E-wetsed-1-053111	580-26502-1	5/23/2011	0.5	<0.0027	<0.0027	<0.0054	<0.0027	<0.0054	<0.014	<0.0054	<0.0054	<0.054	<0.041	<0.014	<0.0054	<0.0027	
	WetSed-2	E-wetsed-2-053111	580-26502-1	5/23/2011	0.5	<0.0026	<0.0026	<0.0052	<0.0026	<0.0052	<0.013	<0.0052	<0.0052	<0.0052	<0.039	<0.013	<0.0052	<0.0026	
WetSed-3	E-wetsed-3-053111	580-26502-1	5/23/2011	0.5	<0.0033	<0.0033	<0.0066	<0.0033	<0.0066	<0.017	<0.0066	<0.0066	<0.0066	<0.050	<0.017	<0.0066	<0.0033		
G	Wetsoil-3	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.0013 H	<0.0013 H	<0.0025 H	<0.0013 H	<0.0025 H	<0.0064 H	<0.0025 H	<0.0025 H	<0.0025 H	<0.019 H	<0.0064 H	<0.0025 H	<0.0013 H	
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.00094	<0.00094	<0.0019	<0.00094	<0.0019	<0.0047	<0.0019	<0.0019	<0.0019	<0.014	<0.0047	<0.0019	<0.00094	
Sediment Cleanup Objective⁵						--	--	--	--	--	--	--	--	--	--	--	--	--	
Sediment Cleanup Screening Level⁵						--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

-- Denotes the initial calibration curve was outside acceptance criteria for Carbon Disulfide. As Carbon Disulfide was not a requested analyte at the time of sample analysis, it cannot be reported.

* Denotes Internal Standard response or retention time outside acceptable limits.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Method 8260B.

³ Compound was not retained as a COPC following completion of the *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel Fabricators, 6 and 10 1/2 East Washington Avenue, Yakima, Washington* dated June 10, 2004, prepared by Farallon Consulting, L.L.C. (Revised RI Report).

⁴ Identified and retained as a COPC in the Revised RI Report.

⁵ Table VI, *Freshwater Sediment Cleanup Objectives and Cleanup Screening Levels Chemical Criteria*, of Section 563 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-563).

COPC = constituent of potential concern

H = sample was prepared or analyzed beyond specified holding time

MEK = 2-butanone

NE = not established

PCE = tetrachloroethene

TCE = trichloroethene

VOCs = volatile organic compounds

Table 3
Analytical Results for Volatile Organic Compounds
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Sample Identification	Lab Report	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²											
						Acetone ³	1,2,4-Trimethylbenzene ³	1,3,5-Trimethylbenzene ³	Carbon Disulfide ³	1,2-Dichloropropane ⁴	MEK ³	Chloroform ³	Tetrachloroethene ⁴	Trichloroethene ⁴	1,1-Dichloroethene ³	(cis) 1,2-Dichloroethene ⁴	tert-Butylbenzene ³
						Wetland Samples											
E	Wetsoil-1	E-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	0.094	<0.0038 *	<0.0094 *	0.0064	<0.0019	0.010	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0038 *
		E-wetsoil-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	<0.018 H	<0.0024 H	<0.0060 H	<0.0012 H	<0.0012 H	<0.0060 H	<0.0012 H	<0.0012 H	<0.0012 H	<0.0012 H	<0.0012 H	<0.0024 H
	Wetsoil-2	E-wetsoil-2-052611-0.5-1.0	580-26451-1	5/26/2011	1.0	0.029 H	<0.0018 H	<0.0045 H	0.0010 H	<0.00091 H	<0.0045 H	<0.00091 H	<0.00091 H	<0.00091 H	<0.00091 H	<0.00091 H	<0.0018 H
		E-wetsoil-2-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	0.038 H	<0.0026 H	<0.0065 H	<0.0013 H	<0.0013 H	<0.0065 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0026 H	
	WetSed-1	E-wetsed-1-053111	580-26502-1	5/23/2011	0.5	0.082	<0.0054	<0.014	<0.0027	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.0027	<0.014	<0.0054
	WetSed-2	E-wetsed-2-053111	580-26502-1	5/23/2011	0.5	<0.039	<0.0052	<0.013	0.0032	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.0026	<0.013	<0.0052
WetSed-3	E-wetsed-3-053111	580-26502-1	5/23/2011	0.5	0.110	<0.0066	<0.017	<0.0033	<0.0033	0.025	<0.0033	<0.0033	<0.0033	<0.0033	<0.017	<0.0066	
G	Wetsoil-3	G-wetsoil-052611-0.0-0.5	580-26451-1	5/26/2011	0.5	<0.019 H	<0.0025 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0064 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0013 H	<0.0025 H	
		G-wetsoil-052611-1.0-2.0	580-26451-1	5/26/2011	2.0	<0.014	<0.0019	<0.0047	<0.00094	<0.00094	<0.0047	<0.00094	<0.00094	<0.00094	<0.00094	<0.0047	<0.0019
Sediment Cleanup Objective⁵						--	--	--	--	--	--	--	--	--	--	--	
Sediment Cleanup Screening Level⁵						--	--	--	--	--	--	--	--	--	--	--	--

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.
 < denotes analyte not detected at or exceeding the reporting limit listed.
 -- Denotes the initial calibration curve was outside acceptance criteria for Carbon Disulfide. As Carbon Disulfide was not a requested analyte at the time of sample analysis, it cannot be reported.
 * Denotes Internal Standard response or retention time outside acceptable limits.
¹ Depth in feet below ground surface.
² Analyzed by U.S. Environmental Protection Agency Method 8260B.
³ Compound was not retained as a COPC following completion of the *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel Fabricators, 6 and 10 1/2 East Washington Avenue, Yakima, Washington* dated June 10, 2004, prepared by Farallon Consulting, L.L.C. (Revised RI Report).
⁴ Identified and retained as a COPC in the Revised RI Report.
⁵ Table VI, *Freshwater Sediment Cleanup Objectives and Cleanup Screening Levels Chemical Criteria*, of Section 563 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-563).

COPC = constituent of potential concern
 H = sample was prepared or analyzed beyond specified holding time
 MEK = 2-butanone
 NE = not established
 PCE = tetrachloroethene
 TCE = trichloroethene
 VOCs = volatile organic compounds

Table 4
Analytical Results for Pesticides
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001

Grid	Test Pit	Lab Report	Sample Identification	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²													
						Aldrin ³	Alpha Chlordane ⁴	4,4'-DDD ⁴	4,4'-DDE ⁴	4,4'-DDT ³	Dieldrin ⁴	Endosulfan Sulfate ³	Endrin ⁴	Heptachlor Epoxide ⁴	Endrin Aldehyde ³	Gamma Chlordane ³	Heptachlor ³	Endosulfan II	
Wetland Samples																			
E	WetSoil-1	580-26451-1	E-wetsoil-052611-0.0-0.5	5/26/2011	0.5	<0.0019	<0.0019	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0038	
			E-wetsoil-052611-0.5-1.0	5/26/2011	1.0	<0.0011	<0.0011	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0011	<0.0022	<0.0011	<0.0011	<0.0022
	WetSoil-2	580-26451-1	E-wetsoil-2-052611-0.5-1.0	5/26/2011	1.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023	
			E-wetsoil-2-052611-1.0-2.0	5/26/2011	2.0	<0.0011	<0.0011	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0011	<0.0023	<0.0011	<0.0011	<0.0023	
	WetSed-1	580-26360-1	E-wetsed-1-053111	5/23/2011	0.5	<0.0021 H	<0.0021 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0042 H	<0.0021 H*	<0.0042 H	<0.0021 H	<0.0021 H	<0.0042 H	
WetSed-2	580-26360-1	E-wetsed-2-053111	5/23/2011	0.5	<0.0022 H	<0.0022 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0044 H	<0.0022 H*	<0.0044 H	<0.0022 H	<0.0022 H	<0.0044 H		
WetSed-3	580-26360-1	E-wetsed-3-053111	5/23/2011	0.5	<0.0023 H	<0.0023 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0047 H	<0.0023 H*	<0.0047 H	<0.0023 H	<0.0023 H	<0.0047 H		
G	WetSoil-3	580-26451-1	G-wetsoil-052611-0.0-0.5	5/26/2011	0.5	<0.0012	<0.0012	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0012	<0.0024	<0.0012	<0.0012	<0.0024		
			G-wetsoil-052611-1.0-2.0	5/26/2011	2.0	<0.0016	<0.0016	<0.0031	<0.0031	<0.0031	<0.0031	<0.0031	<0.0031	<0.0016	<0.0031	<0.0016	<0.0016	<0.0031	
Sediment Cleanup Objective⁵						--	--	0.31	0.31	0.10	4.9	--	--	--	--	--	--	--	
Sediment Cleanup Screening Level⁵						--	--	0.86	0.9	8.1	9.3	--	--	--	--	--	--	--	

NOTES:

Results in **bold** denote concentrations at or exceeding the Preliminary Screening Level indicated.

< denotes analyte not detected at or above the reporting limit listed.

¹ Depth in feet below ground surface.

² Analyzed by U.S. Environmental Protection Agency Method 8081.

³ Constituent was not retained as a COPC following completion of the *Revised Remedial Investigation Report, Agri-Tech & Yakima Steel*

Fabricators, 6 and 10 1/2 East Washington Avenue, Yakima, Washington dated June 10, 2004, prepared by Farallon Consulting, L.L.C. (Revised RI Report).

⁴ Identified and retained as a COPC in the Revised RI Report.

⁵ Table VI, *Freshwater Sediment Cleanup Objectives and Cleanup Screening Levels Chemical Criteria*, of Section 563 of Chapter 173-204 of the Washington Administrative Code (WAC 173-204-563).

* = Response or retention time outside acceptable limits.

COPC = constituent of potential concern

H = sample was prepared or analyzed beyond the specified holding time

NE = not established

Table 5
Bioassay Results Summary
Agri-Tech and Yakima Steel Fabricators Site
Yakima, Washington
Farallon PN: 765-001

Bioassay Evaluation	Screening Criteria		WETSED-1		WETSED-2		WETSED-3	
	SCO	CSL	Nautilus	Environ	Nautilus	Environ	Nautilus	Environ
10-day <i>H. azteca</i> Mortality ($M_T - M_C$)	>15%	>25%	100%	91%	14%	-4%	4%	-4%
20-day <i>C. dilutus</i> Mortality ($M_T - M_C$)	>15%	>25%	15%	14%	18%	17%	58%	20%
20-day <i>C. dilutus</i> Growth ($MIG_C - MIG_T$)/ MIG_C	>0.25	>0.40	-0.22	0.12	0.04	-0.31	0.34	-0.01

Table based on Attachment C, Table 24, Summary of Sediment Chemistry and Test Results, Agri-Tech/YSF, 2011 and 2013.

NOTES:

Result exceeds sediment cleanup objective.

Result exceeds sediment cleanup screening level.

CSL = Cleanup Screening Level

Environ = Ramboll-Environ Corporation

M_C = Control group mortality

MIG_C = Control group mean individual growth

MIG_T = Test group mean individual growth

M_T = Test group mortality

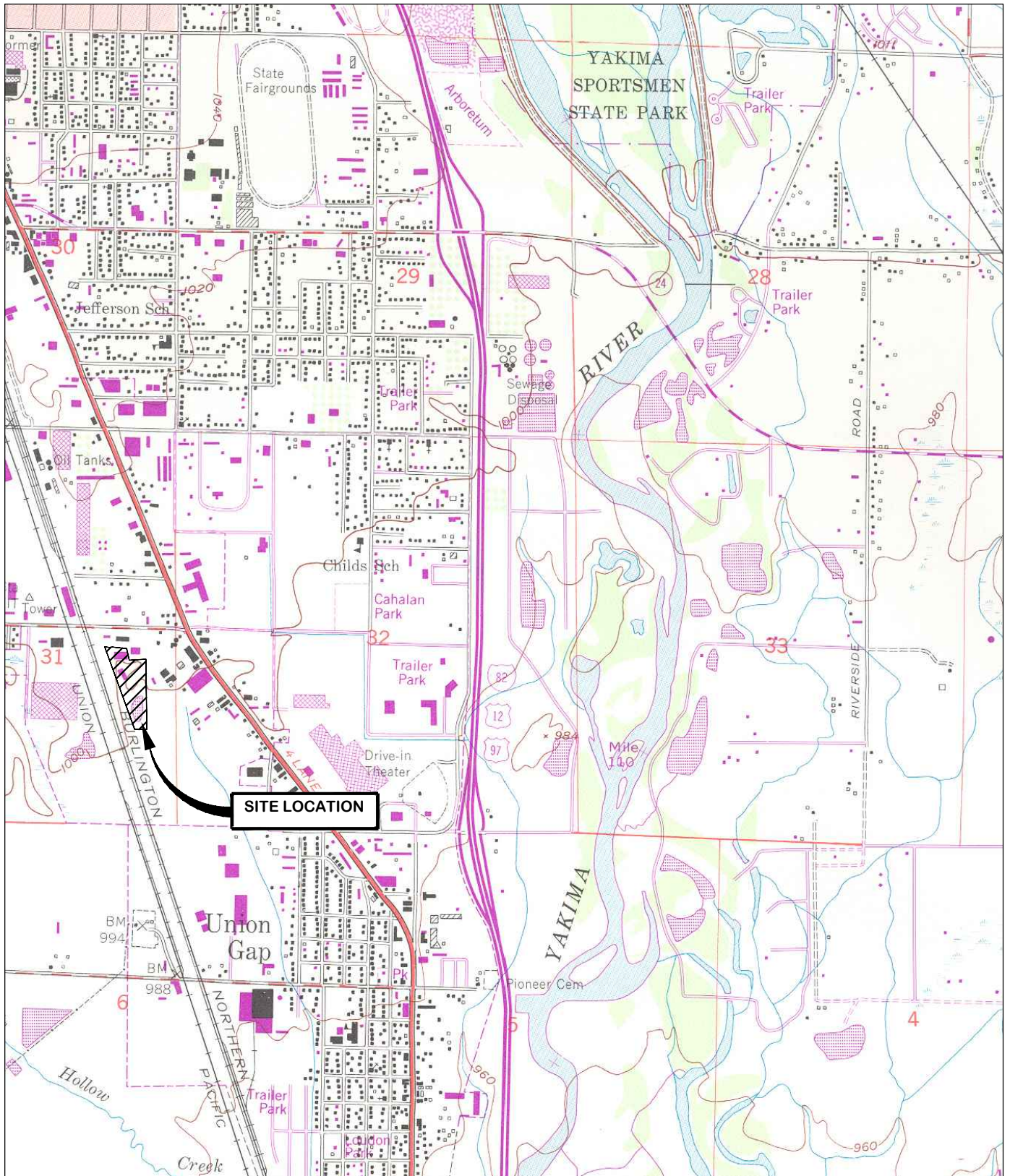
Nautilus = Nautilus Environmental

SCO = Sediment Cleanup Objective

ATTACHMENT D
METALS SOURCE TM FIGURES AND TABLES

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington

Farallon PN: 765-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE YAKIMA SOUTH, WASHINGTON. DATED 1953 AND PHOTOREVISED 1981



WASHINGTON




Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

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FIGURE 1

SITE VICINITY MAP
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001





Drawn By: DEW

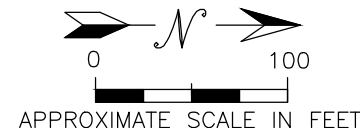
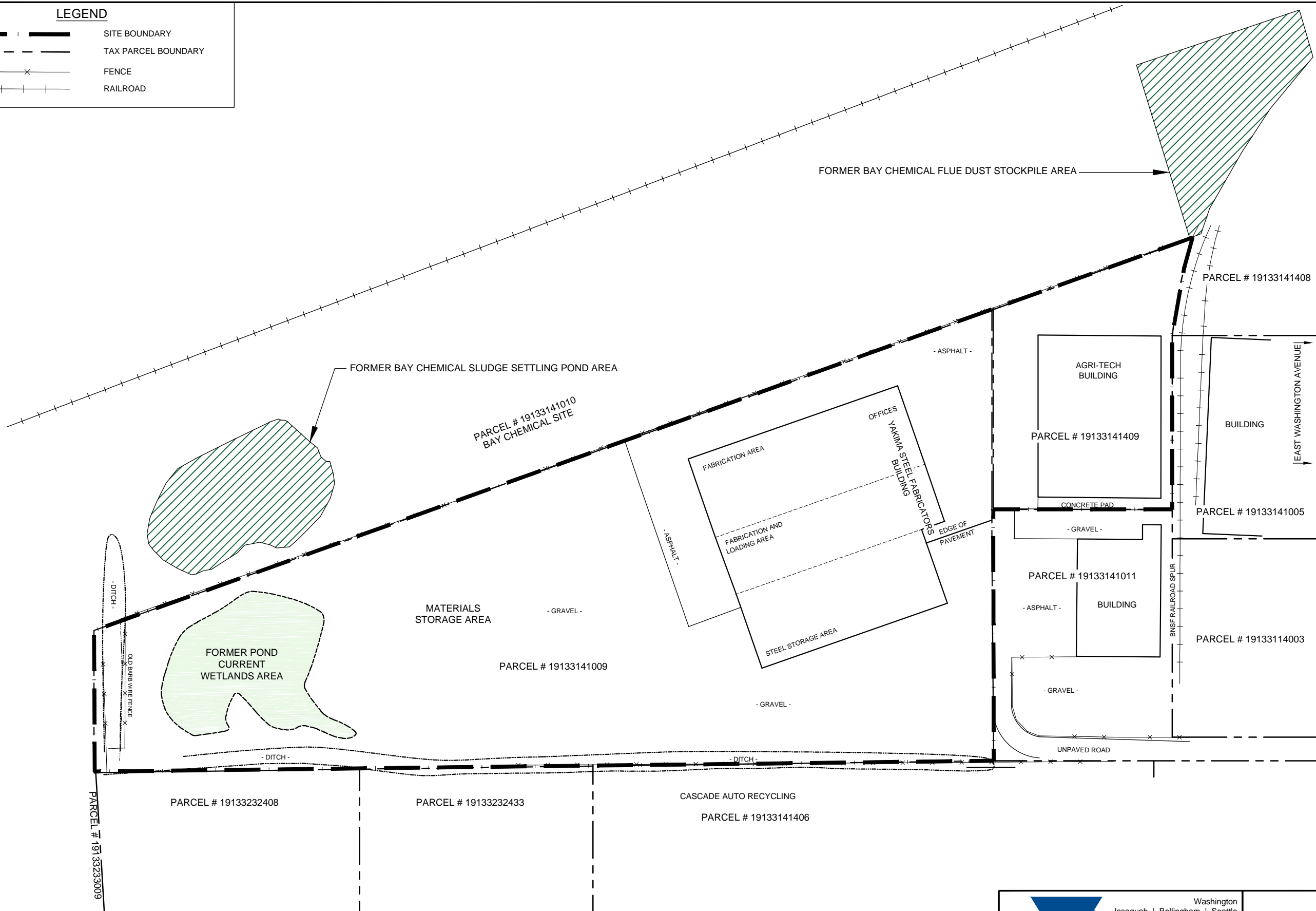
Checked By: HC

Date: 1/25/2016

Disk Reference: 765001a

LEGEND

-  SITE BOUNDARY
-  TAX PARCEL BOUNDARY
-  FENCE
-  RAILROAD




Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

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FIGURE 2
SITE PLAN AND TAX PARCEL LOCATIONS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

FARALLON PN: 765-001

LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA 1** FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA 2** FORMER YAKIMA FARMERS SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA 3** YAKIMA STEEL STORAGE YARD AND WETLAND AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- PIT B
- TP-2
- SP-25
- ECOLOGY SAMPLING GRID DESIGNATION
- BOLD** = INDICATES CONCENTRATION EXCEEDS WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION METHOD B CLEANUP LEVELS PRESENTED IN THE REMEDIAL INVESTIGATION REPORT (FARALLON 2004)
- <=** = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
- NA = NOT ANALYZED

- BAY CHEMICAL CLEANUP AREA**
APPROXIMATE EXCAVATION DEPTH IN FEET BELOW GROUND SURFACE
- 0-2
 - 2-4
 - 4-6
 - >6
- NOTE:**
- LOCATIONS OF ALL TEST PITS BY ECOLOGY ARE APPROXIMATED. COORDINATES PROVIDED BY ECOLOGY DID NOT PLOT IN CORRESPONDING SAMPLING GRID IN ALL CASES. FARALLON SHIFTED TEST PIT LOCATIONS TO THE APPROPRIATE SAMPLING GRID AND ESTIMATED THE TEST PIT LOCATION ON BEST AVAILABLE INFORMATION.
 - FIGURE INCLUDES INFORMATION PRESENTED IN COLOR. PHOTOCOPYING MAY NOT BE APPROPRIATE.

DEPTH	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Ag	Tl	Zn
0	NA	2.9	15.3	NA	57.9	762	515	NA	NA	NA	NA	3,100
24"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DEPTH	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Ag	Tl	Zn
24"	NA	<5.0	330	NA	1,820	22,500	12,500	NA	NA	NA	NA	123,000
26"	65	<5.0	310	490	2,000	27,000	NA	14	110	43	39	140,000

DEPTH	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Ag	Tl	Zn
6"	NA	13	7.6	NA	944	674	645	NA	NA	NA	NA	2,200
28"	<3.0	<5.0	2.0	6.7	35	300	NA	0.09	18	<5.0	<10	150

DEPTH	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Ag	Tl	Zn
6"	NA	13.0	4.22	NA	136	290	524	NA	NA	NA	NA	1,200
16"	<3.0	<5.0	6.9	16	51	630	NA	0.26	18	<5.0	<10	2,100

DEPTH	Sb	As	Cd	Cr	Cu	Pb	Mn	Hg	Ni	Ag	Tl	Zn
24"	NA	11.9	5.38	NA	79.8	439	569	NA	NA	NA	NA	1,710
24"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

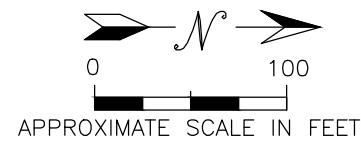
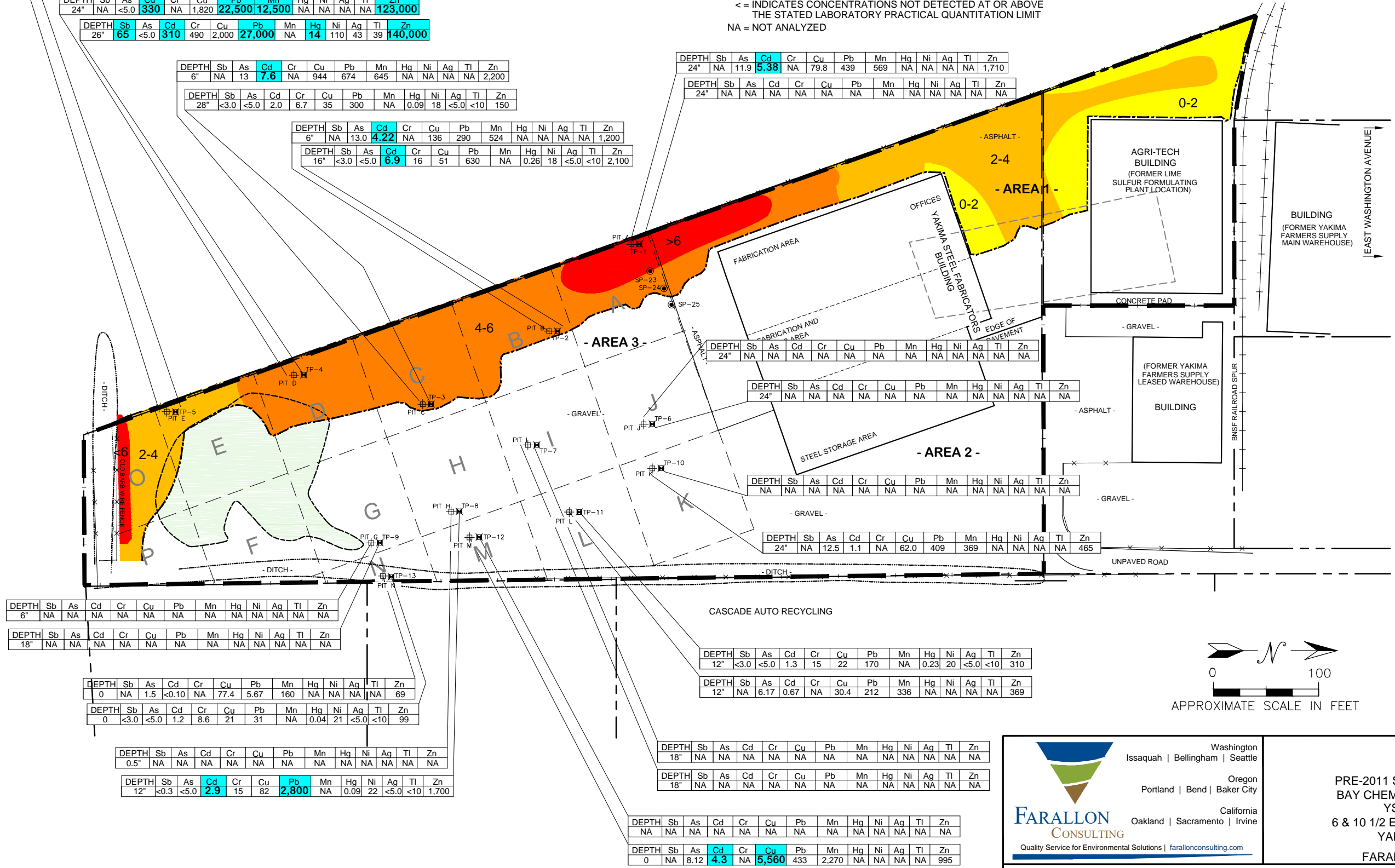


FIGURE 3
PRE-2011 SAMPLING LOCATIONS AND
BAY CHEMICAL SOIL REMOVAL AREA
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON
FARALLON PN: 765-001

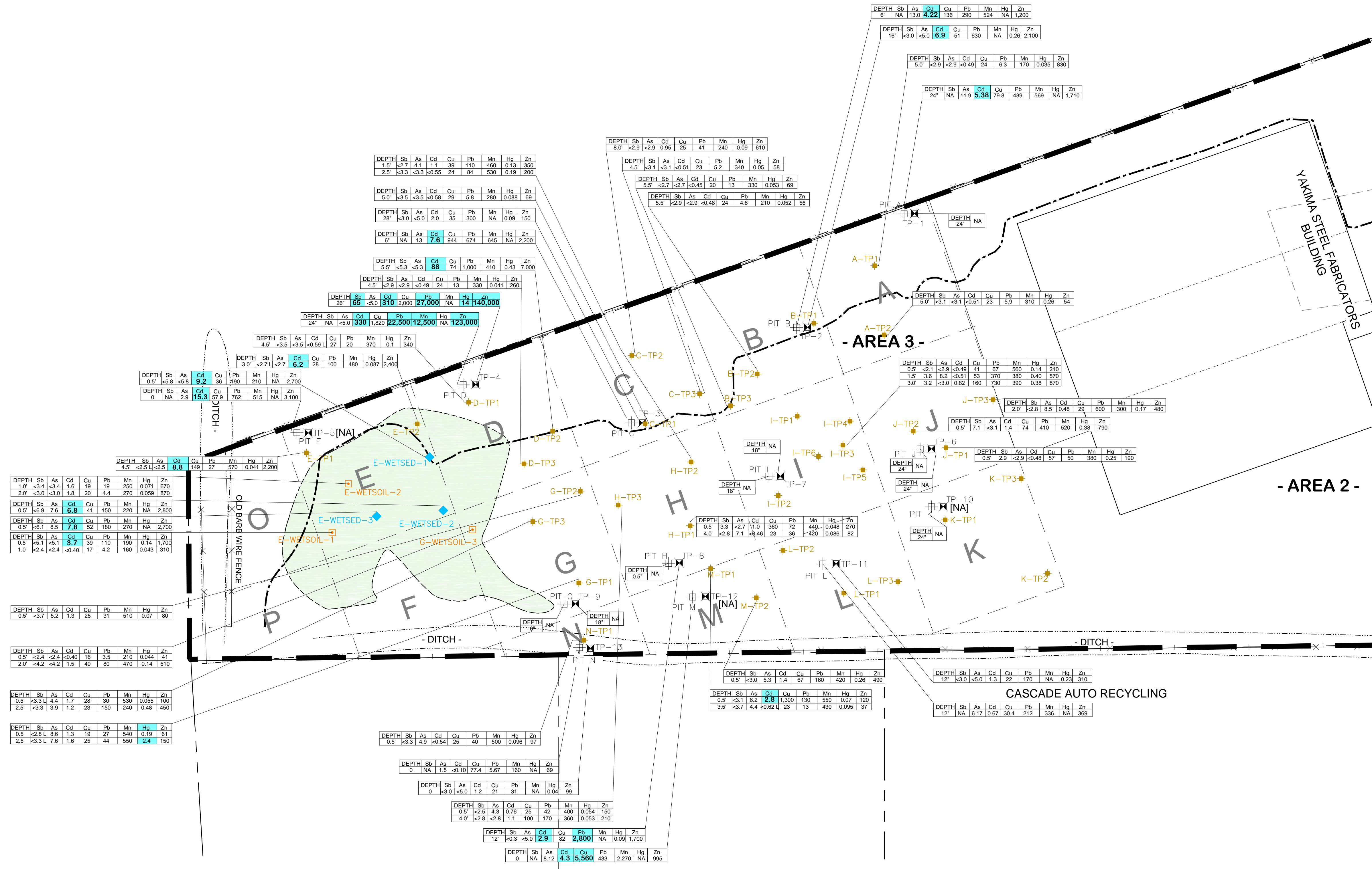
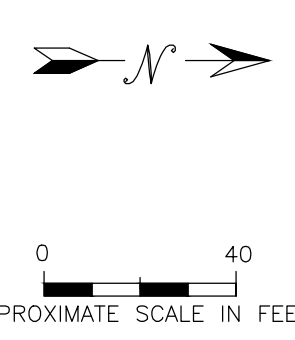
LEGEND

- APPROXIMATE BOUNDARY OF FORMER YAKIMA FARMERS SUPPLY WASTE PIT
- AREA 1** FORMER YAKIMA FARMERS SUPPLY WASTE PIT LOCATION
- AREA 2** FORMER YAKIMA FARMER SUPPLY LIME AND SULFUR STOCKPILE LOCATIONS
- AREA 3** YAKIMA STEEL STORAGE YARD AND WETLAND AREA
- SITE BOUNDARY
- TAX PARCEL BOUNDARY
- FENCE
- RAILROAD
- BAY CHEMICAL CLEANUP AREA
- D-TP3 TEST PIT LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-1 WET SEDIMENT SAMPLE LOCATION FARALLON CONSULTING (2011)
- E-WETSSED-2 WET SOIL SAMPLE LOCATION FARALLON CONSULTING (2011)
- PIT B WASHINGTON STATE DEPARTMENT OF ECOLOGY (ECOTOLOGY) TEST PIT (2007)
- TP-2 ENVIRONMENTAL PARTNERS, INC. TEST PIT (2007)
- M ECOLOGY SAMPLING GRID DESIGNATION
- ESTIMATED LATERAL EXTENT OF TYPE 3 WETLAND (EXISTING POND)

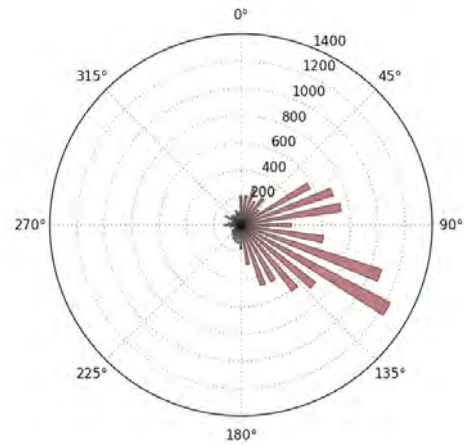
Sb = ANTIMONY
 As = ARSENIC
 Cd = CADMIUM
 Cu = COPPER
 Pb = LEAD
 Mn = MANGANESE
 Hg = MERCURY
 Zn = ZINC
 NA = NOT ANALYZED
 <= INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTIFICATION LIMIT
 SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM DEPTH IN INCHES BELOW GROUND SURFACE

Sb	As	Cd	Cu	Pb	Mn	Hg	Zn
32	20	2,960	1,000	11,000	2.0	24,000	

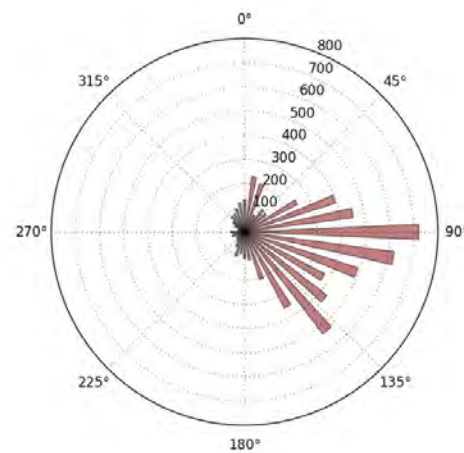
ANALYTE HIGHLIGHTED IN BLUE EXCEEDS PRELIMINARY SCREENING LEVEL INDICATED IN TABLE ABOVE.



**WIND 1-MINUTE MAXIMUM SPEED
PLOT OF DIRECTION OF TRANSPORT**



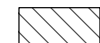

**WIND 2-MINUTE MAXIMUM SPEED
PLOT OF DIRECTION OF TRANSPORT**

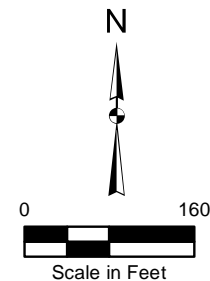


NOTE:
ROSE DIAGRAMS SHOW THE DIRECTION OF TRANSPORT FOR THE FASTEST 1- AND 2-MINUTE WIND INTERVAL RECORDED EACH DAY. 1-MINUTE DATA COVERS THE PERIOD FROM 1965 TO 2015. 2-MINUTE DATA COVERS THE PERIOD FROM 1995 TO 2015. THE LENGTH OF EACH PETAL ON THE ROSE REFLECTS THE TOTAL NUMBER OF DAYS THE MAXIMUM WIND WAS RECORDED BLOWING THAT DIRECTION.



LEGEND

-  FORMER BAY CHEMICAL SITE FEATURES
-  YAKIMA STEEL FABRICATORS/AGRI-TECH APPROXIMATE SITE BOUNDARY




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FIGURE 5
WIND TRANSPORT DATA FOR SITE VICINITY
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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Drawn By: tperrin

Checked By: HC

Date: 1/25/2016

Document Path: G:\Projects\765001 Yakima Steel Fab\GIS\Mapfiles\Figure_Wind Transport.mxd

Disc Reference:

1979 OBLIQUE AERIAL PHOTOGRAPH

DRAINAGE/
IRRIGATION DITCH

RAILROAD

APPROXIMATE AREA OF
FORMER BAY CHEMICAL
SLUDGE SETTLING POND

BAY
CHEMICAL
SITE

APPROXIMATE RANGE
OF DIRECTIONS FOR
WIND TRANSPORT

WAREHOUSE
BUILDINGS

FORMER LIME
SULFUR PLANT

APPROXIMATE AREA OF
FORMER BAY CHEMICAL
FLUE DUST STOCKPILE

FORMER YAKIMA
FARMERS SUPPLY

APPROXIMATE YSF/AGRI-TECH
SITE BOUNDARY

LEGEND

 APPROXIMATE SITE BOUNDARY



NOT TO SCALE



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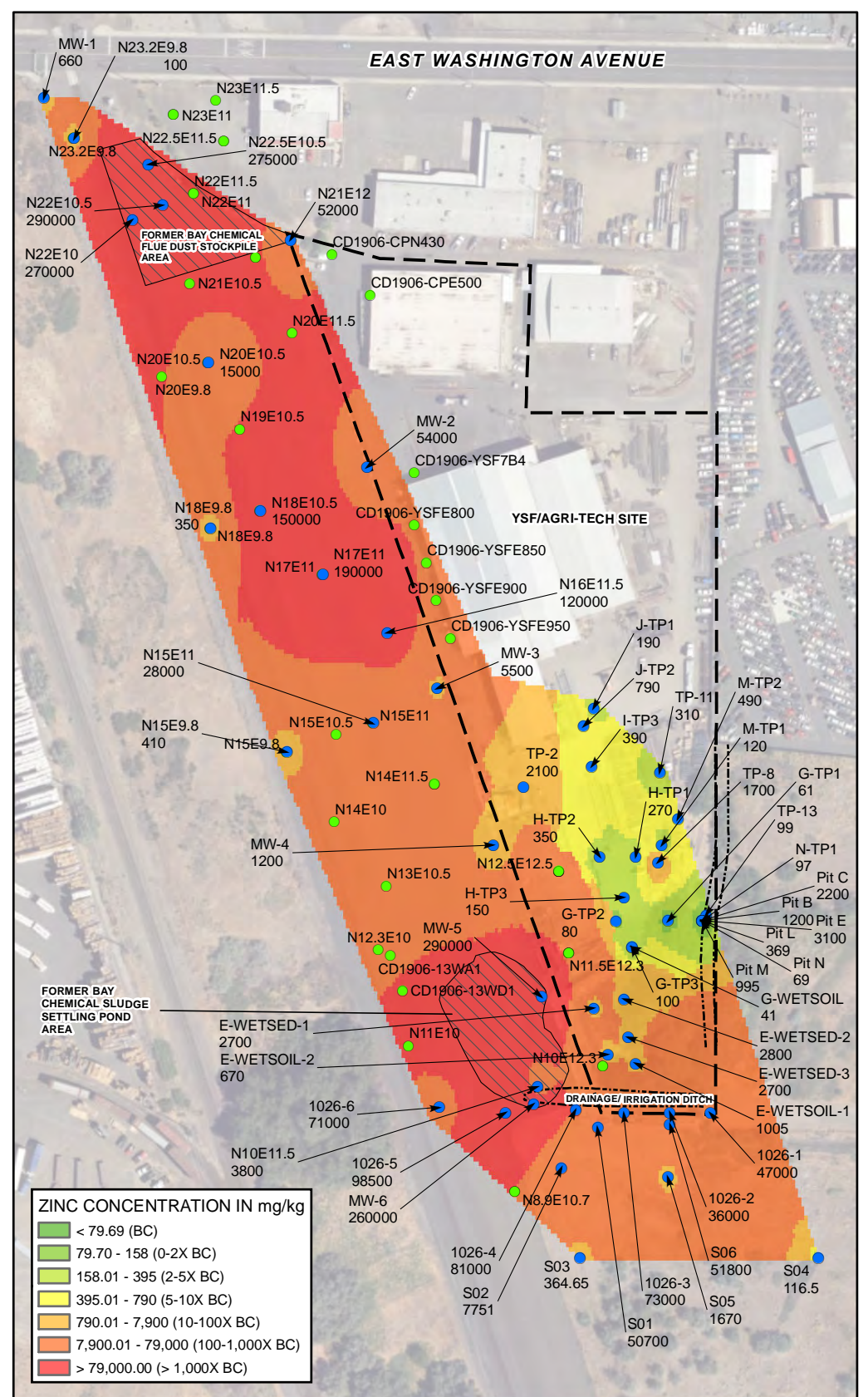
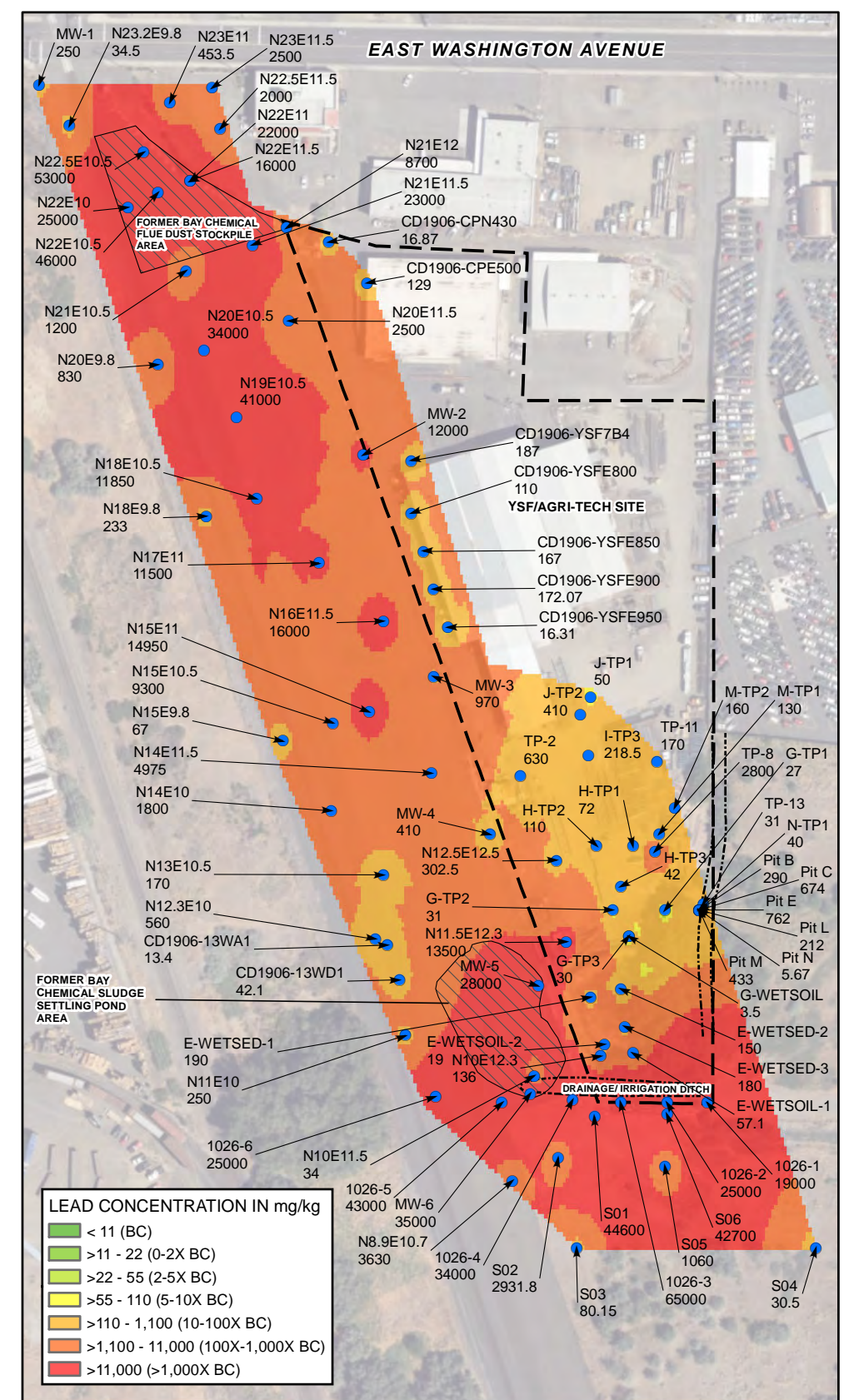
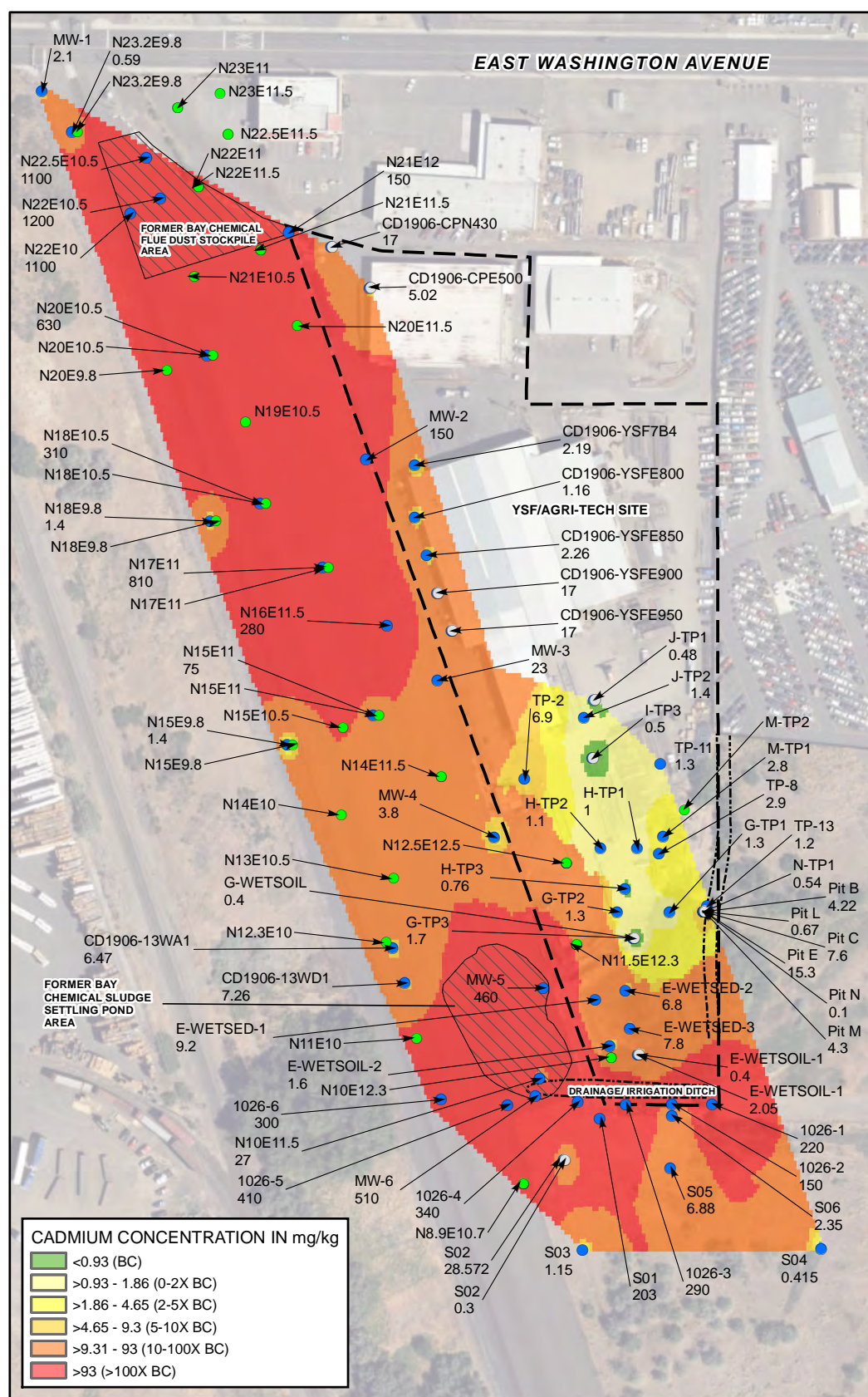
FIGURE 6

1979 OBLIQUE AERIAL PHOTOGRAPH OF SITE
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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Disc Reference:
Document Path: G:\Projects\765001 Yakima Steel Fab\GIS\Mapfiles\Figure_1979_Oblique.mxd



LEGEND

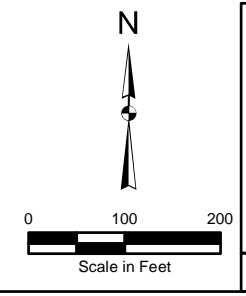
- YAKIMA STEEL FABRICATORS/AGRI-TECH SAMPLE LOCATION
- NON DETECT SAMPLE
- NO DATA SAMPLE
- ▭ FORMER BAY CHEMICAL SITE FEATURES
- ▭ YAKIMA STEEL FABRICATORS/AGRI-TECH APPROXIMATE SITE BOUNDARY

BC - BACKGROUND CONCENTRATION
mg/kg - MILLIGRAMS PER KILOGRAM

NATURAL BACKGROUND CONCENTRATIONS *

	0	2X	5X	10X	100X
CADMIUM	0.93	1.86	4.65	9.3	93
LEAD	11	22	55	110	1,100
ZINC	79	158	395	790	7,900

* FROM NATURAL BACKGROUND SOIL METALS CONCENTRATIONS IN WASHINGTON STATE, WASHINGTON STATE DEPARTMENT OF ECOLOGY PUBLICATION NO. 94-115, (OCTOBER 1994).



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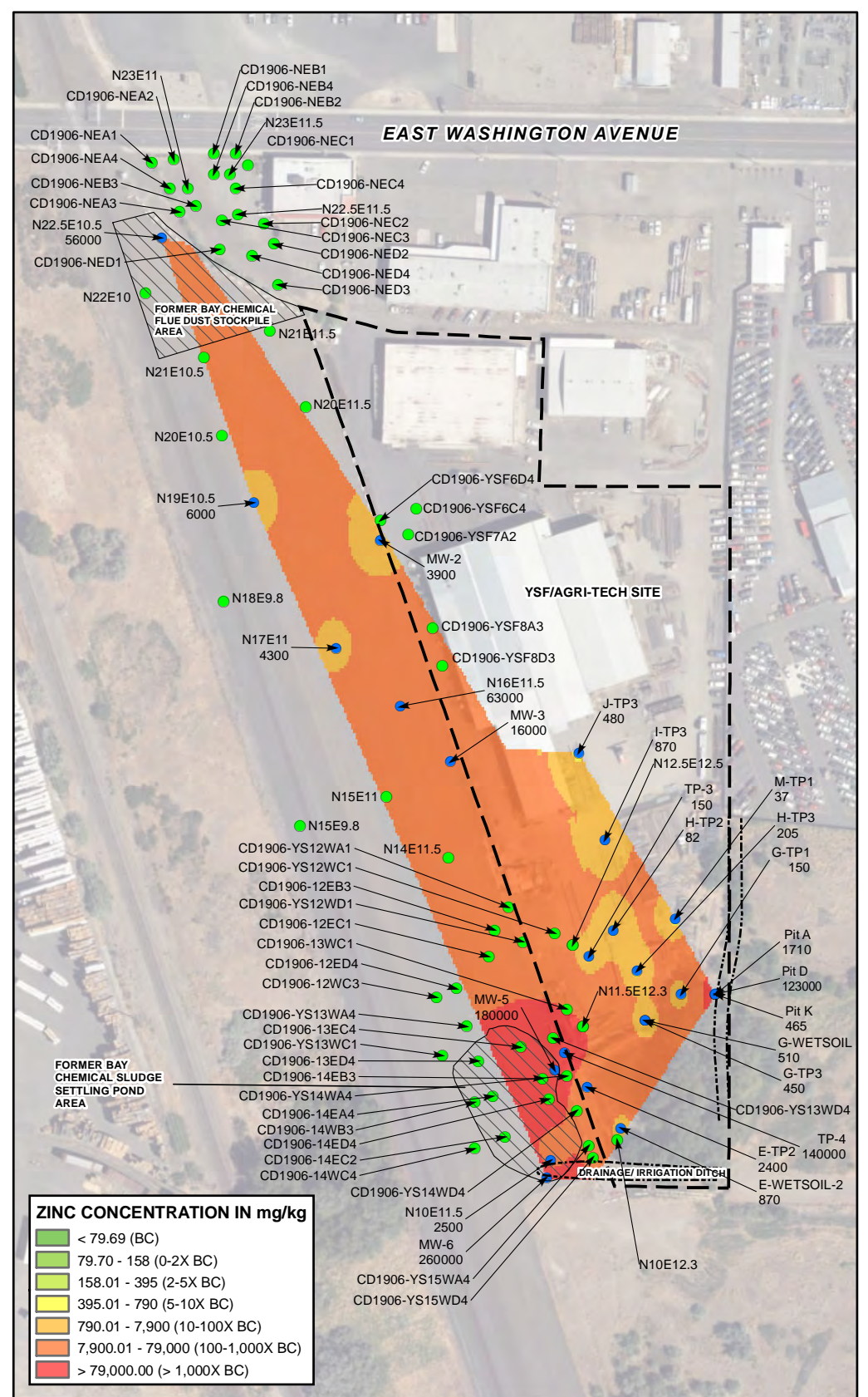
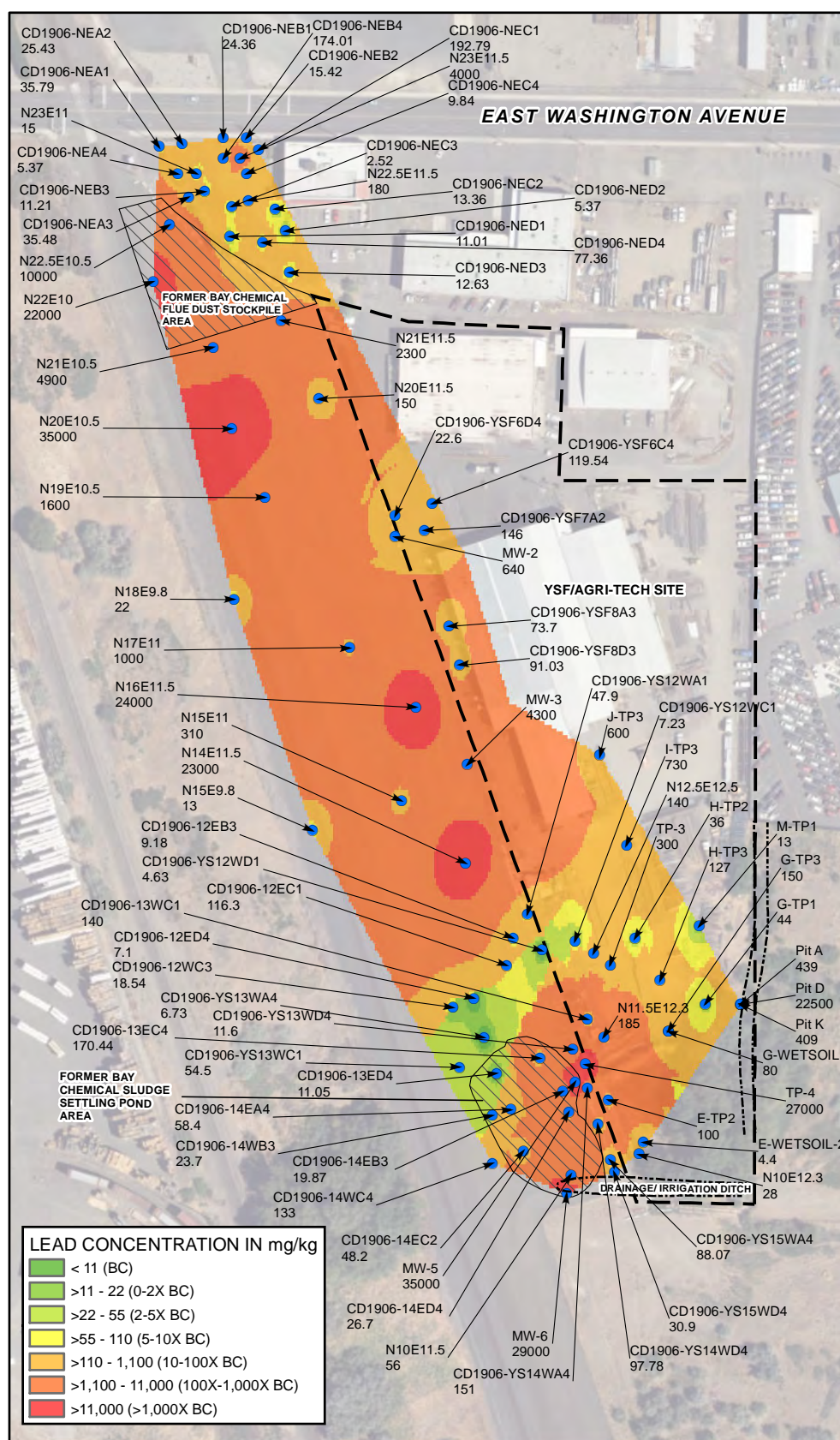
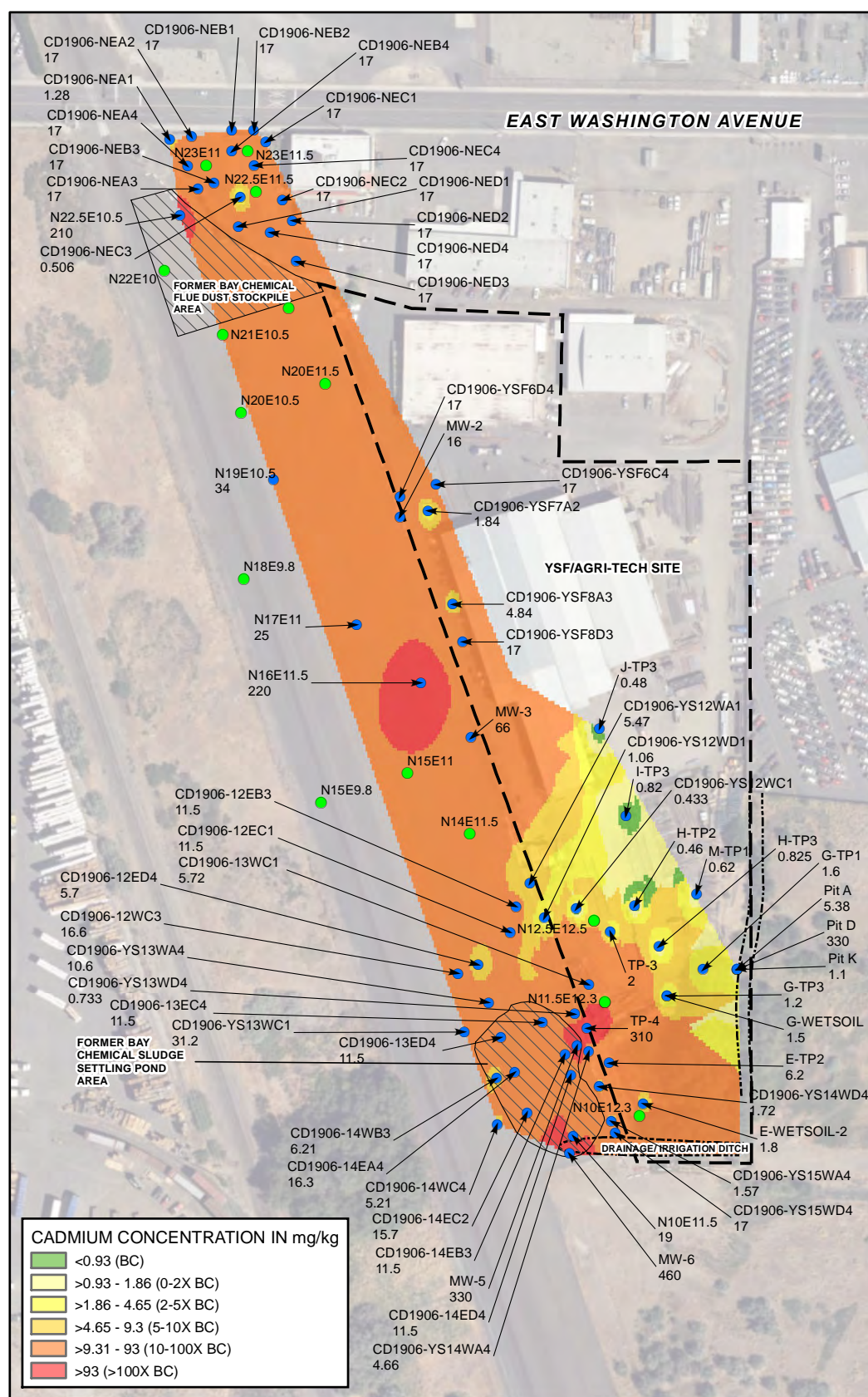
FIGURE 7A

CADMIUM, LEAD, AND ZINC ESTIMATED DISTRIBUTION IN SOIL 0 - 2 FT BGS
YSF/AGRI-TECH SITE

6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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Disc Reference:
Document Path: G:\Projects\765001 Yakima Steel Fab\GIS\RevisedTM_Maps\Figure05a_0-2_Soil_Cad-Lead-Zinc.mxd



LEGEND

- YAKIMA STEEL FABRICATORS/AGRI-TECH SAMPLE LOCATION
- NON DETECT SAMPLE
- NO DATA SAMPLE
- ▭ FORMER BAY CHEMICAL SITE FEATURES
- ▭ YAKIMA STEEL FABRICATORS/AGRI-TECH APPROXIMATE SITE BOUNDARY

BC - BACKGROUND CONCENTRATION
mg/kg - MILLIGRAMS PER KILOGRAM

NATURAL BACKGROUND CONCENTRATIONS *

	0	2X	5X	10X	100X
CADMIUM	0.93	1.86	4.65	9.3	93
LEAD	11	22	55	110	1,100
ZINC	79	158	395	790	7,900

* FROM NATURAL BACKGROUND SOIL METALS CONCENTRATIONS IN WASHINGTON STATE, WASHINGTON STATE DEPARTMENT OF ECOLOGY PUBLICATION NO. 94-115, (OCTOBER 1994).

FIGURE 7B
CADMIUM, LEAD, AND ZINC ESTIMATED DISTRIBUTION IN SOIL 2 - 4 FT BGS
YSF/AGRI-TECH SITE
6 & 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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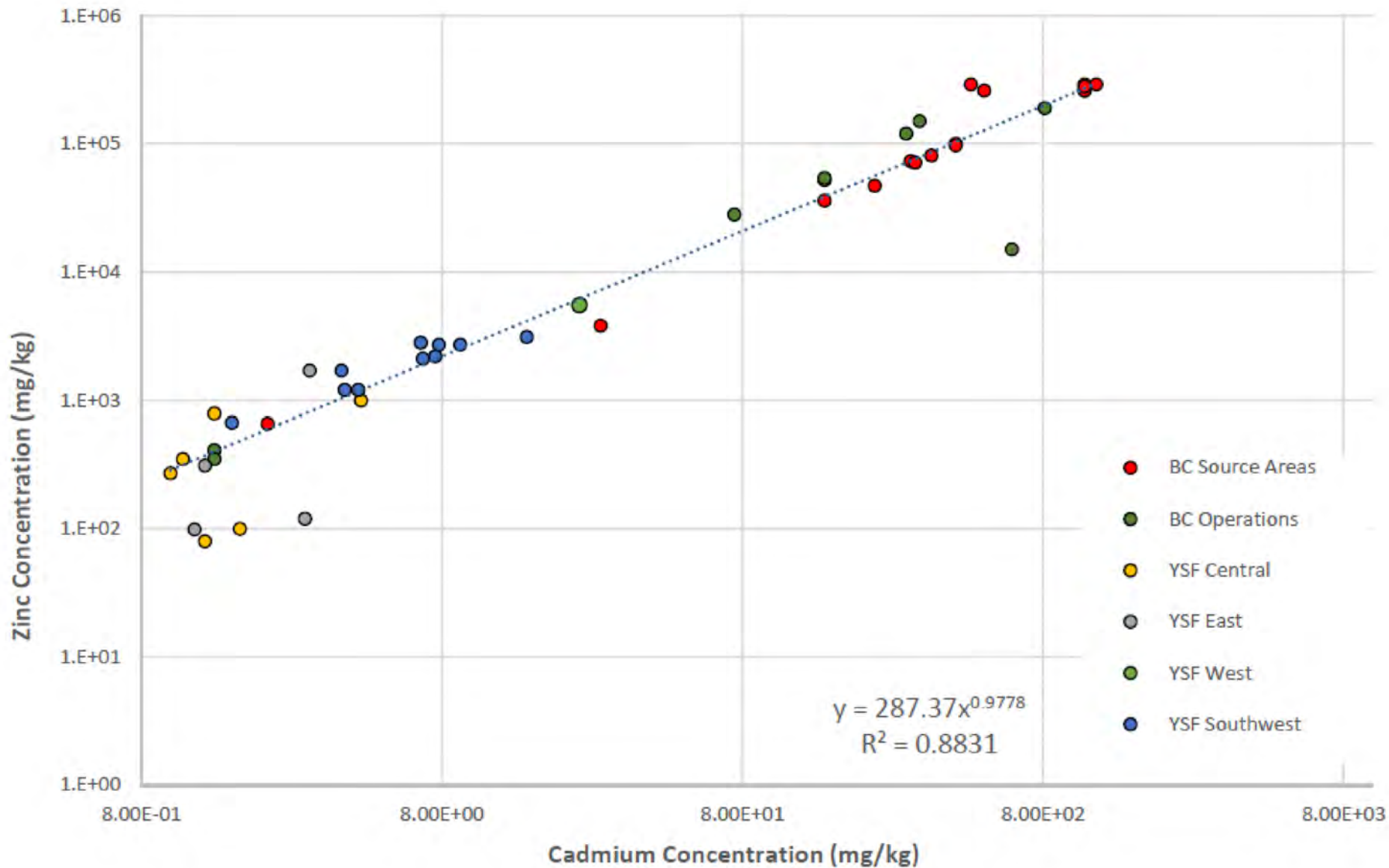
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Scale in Feet: 0, 100, 200

Drawn By: tperrin
Checked By: JK
Date: 8/30/2016
Disc Reference: Document Path: G:\Projects\765001 Yakima Steel Fab\GIS\RevisedTM_Maps\Figure05b_2-4_Soil_Cad-Lead-Zinc.mxd



NOTES:

mg/kg = MILLIGRAMS PER KILOGRAM

BC = BAY CHEMICAL SITE

BGS = BELOW GROUND SURFACE

YSF = YAKIMA STEEL FABRICATORS / AGRI-TECH SITE

SOURCE AREA DATA INCLUDES BAY CHEMICAL FLUE DUST AREA, SLUDGE SETTLING POND, AND SLUDGE SEDIMENT



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FIGURE 8A

RATIO OF CADMIUM TO ZINC IN SOIL 0-2 FEET BGS
YSF/AGRI-TECH SITE
6 AND 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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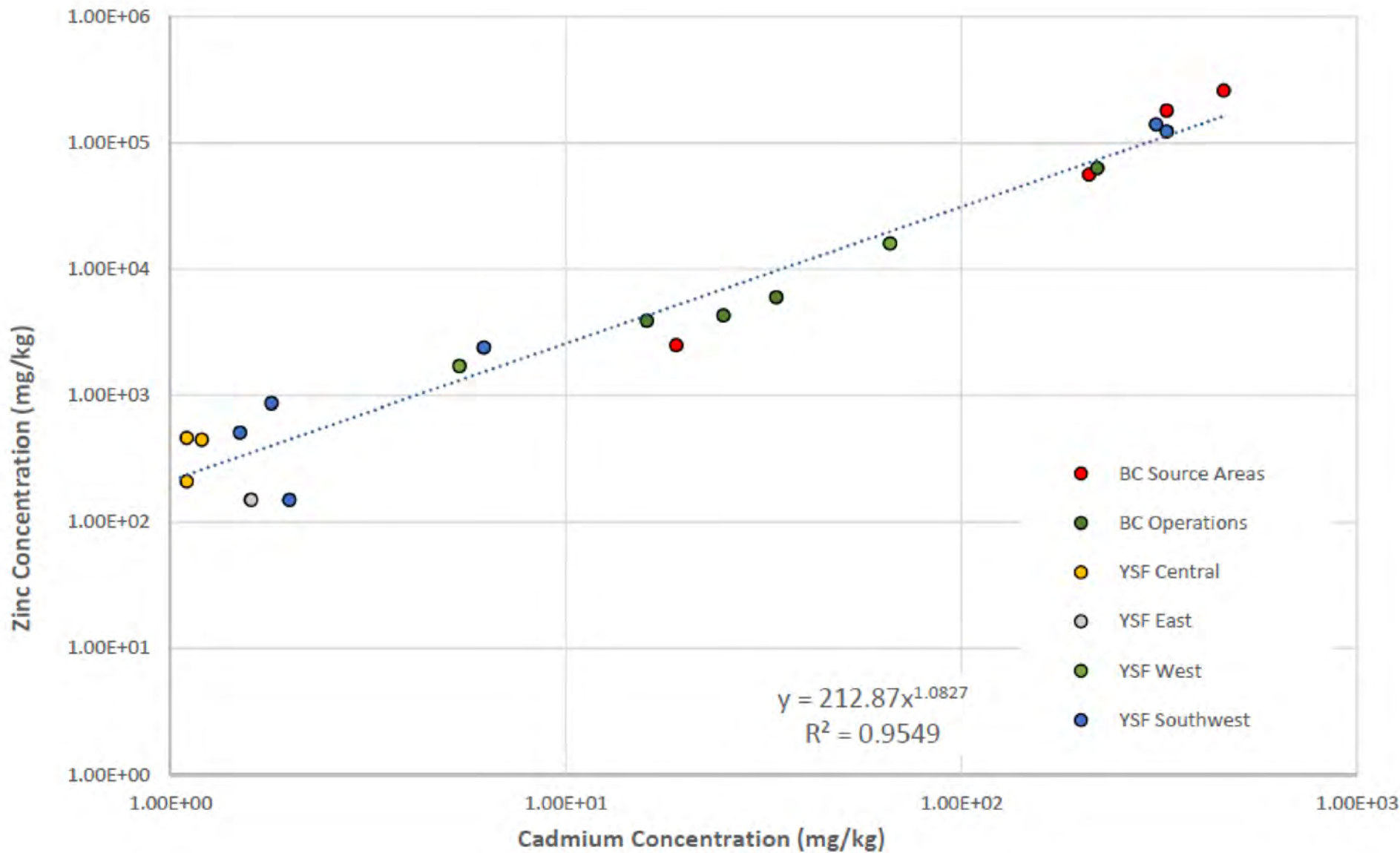
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Date: 9/23/2016

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NOTES:

mg/kg = MILLIGRAMS PER KILOGRAM

BC = BAY CHEMICAL SITE

BGS = BELOW GROUND SURFACE

YSF = YAKIMA STEEL FABRICATORS / AGRI-TECH SITE

SOURCE AREA DATA INCLUDES BAY CHEMICAL FLUE DUST AREA, SLUDGE SETTLING POND, AND SLUDGE SEDIMENT



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FIGURE 8B

RATIO OF CADMIUM TO ZINC IN SOIL 2-4 FEET BGS
YSF/AGRI-TECH SITE
6 AND 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON

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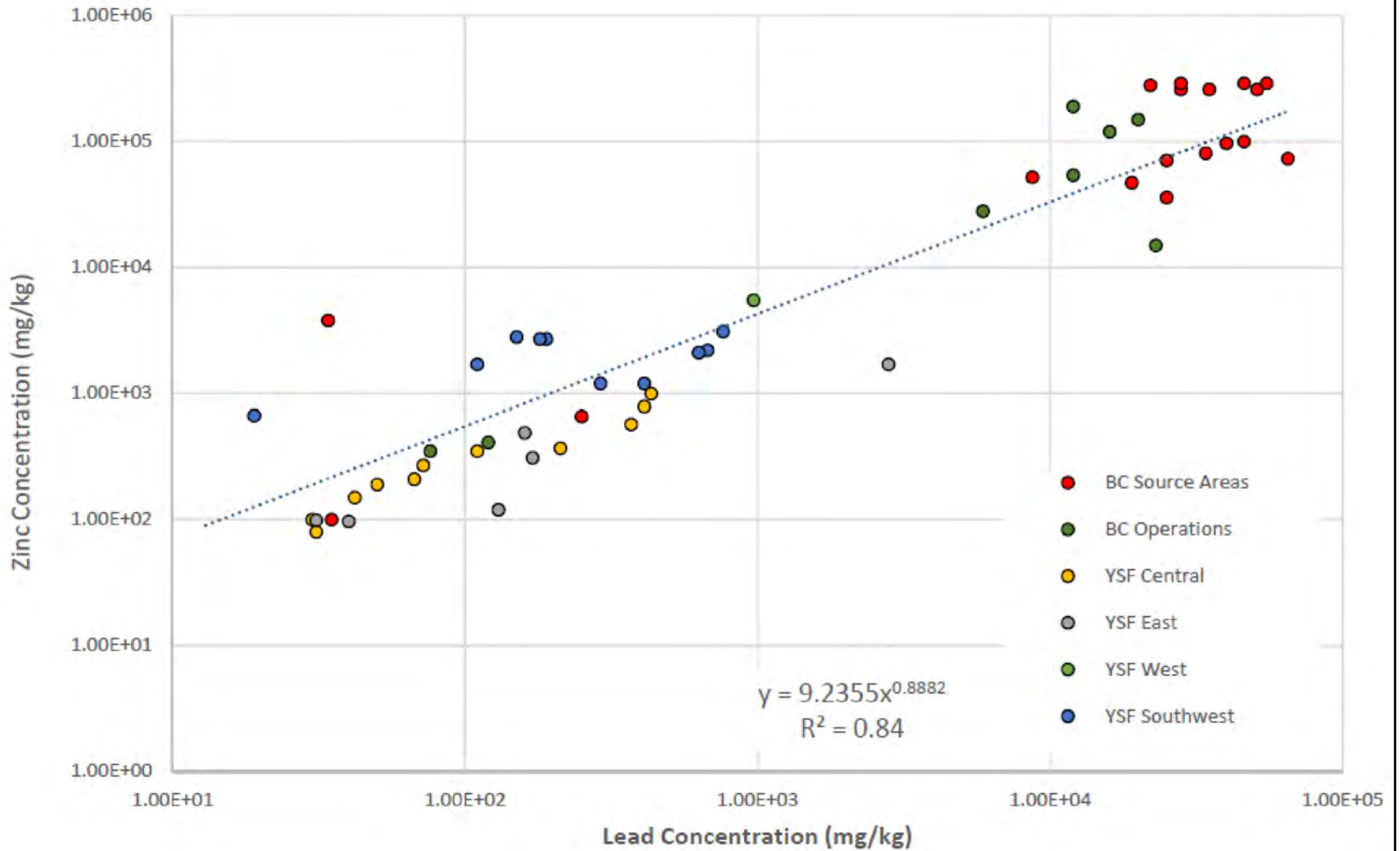
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Checked By: JK

Date: 9/23/2016

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NOTES:

mg/kg = MILLIGRAMS PER KILOGRAM

BC = BAY CHEMICAL SITE

BGS = BELOW GROUND SURFACE

YSF = YAKIMA STEEL FABRICATORS / AGRI-TECH SITE

SOURCE AREA DATA INCLUDES BAY CHEMICAL FLUE DUST AREA, SLUDGE SETTLING POND, AND SLUDGE SEDIMENT



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FIGURE 9A

**RATIO OF LEAD TO ZINC IN SOIL 0-2 FEET BGS
YSF/AGRI-TECH SITE
6 AND 10 1/2 EAST WASHINGTON AVENUE
YAKIMA, WASHINGTON**

FARALLON PN: 765-001

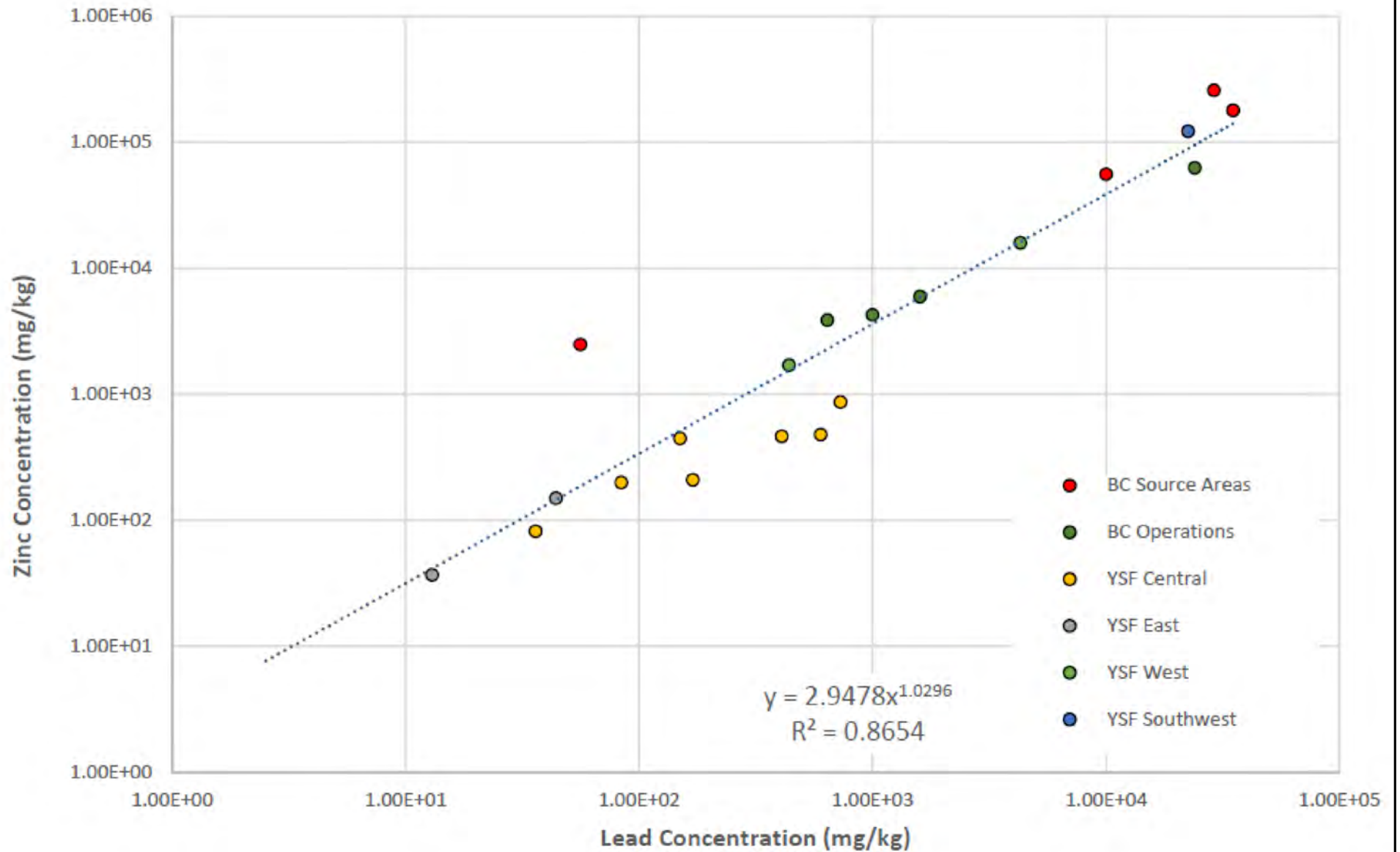
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Disc Reference:

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NOTES:

mg/kg = MILLIGRAMS PER KILOGRAM
 BC = BAY CHEMICAL SITE
 BGS = BELOW GROUND SURFACE
 YSF = YAKIMA STEEL FABRICATORS / AGRI-TECH SITE
 SOURCE AREA DATA INCLUDES BAY CHEMICAL FLUE DUST AREA,
 SLUDGE SETTLING POND, AND SLUDGE SEDIMENT



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FIGURE 9B

**RATIO OF LEAD TO ZINC IN SOIL 2-4 FEET BGS
 YSF/AGRI-TECH SITE
 6 AND 10 1/2 EAST WASHINGTON AVENUE
 YAKIMA, WASHINGTON**

FARALLON PN: 765-001

Drawn By: tperrin

Checked By: JC

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Disc Reference:

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**Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc				
Bay_Chem_RI	MW-1	MW-1-0	3/28/94	0	3.6	<2.8	2.1	20	40	250	510	0.075	660	-120.493009	46.570363	0	Flue Dust Area
Bay_Chem_RI	MW-1	MW-1-5.0	3/28/94	5	2.3	3.6	1.2	19	36	130	480	0.061	340	-120.493009	46.570363	0	Flue Dust Area
Bay_Chem_RI	MW-1	MW-1-7.5	3/28/94	7.5	<1.4	<2	0.41	25	19	14	380	0.041	56	-120.493009	46.570363	0	Flue Dust Area
Bay_Chem_RI	MW-2	MW-2-0	3/28/94	0	27	<29	150	220	650	12,000	4,300	6.23	54,000	-120.491402	46.569091	0	BC Operations Area
Bay_Chem_RI	MW-2	MW-2-2.5	3/28/94	2.5	<1.5	<2.3	16	28	150	640	690	0.453	3,900	-120.491402	46.569091	0	BC Operations Area
Bay_Chem_RI	MW-2	MW-2-7.5	3/28/94	7.5	<1.5	<2.2	2.3	92	67	18	460	0.078	640	-120.491402	46.569091	0	BC Operations Area
Bay_Chem_RI	MW-3	MW-3-0	3/28/94	0	37	210	23	59	410	970	800	0.22	5,500	-120.491046	46.56833	0	YSF West
Bay_Chem_RI	MW-3	MW-3-2.5	3/28/94	2.5	27	110	66	100	410	4,300	1,800	1.65	16,000	-120.491046	46.56833	0	YSF West
Bay_Chem_RI	MW-3	MW-3-5.0	3/28/94	5	<45	<68	2,000	180	320	2,300	2,300	0.123	68,000	-120.491046	46.56833	0	YSF West
Bay_Chem_RI	MW-4	MW-4-0	3/28/94	0	2.6	4.6	3.8	24	51	410	650	0.234	1,200	-120.49077	46.567794	0	YSF Southwest
Bay_Chem_RI	MW-4	MW-4-7.5	3/28/94	7.5	<1.5	3.9	3.7	14	21	49	390	0.047	1,700	-120.49077	46.567794	0	YSF Southwest
Bay_Chem_RI	MW-4	MW-4-10.0	3/28/94	10	2.1	<2.7	9.7	24	110	740	740	0.312	3,700	-120.49077	46.567794	0	YSF Southwest
Bay_Chem_RI	MW-4	MW-4-D	3/28/94	15	2.1	7.3	5	30	79	650	790	0.218	1,800	-120.49077	46.567794	0	YSF Southwest
Bay_Chem_RI	MW-5	MW-5-0	3/28/94	0	140	<140	460	760	2,300	28,000	23,000	0.423	290,000	-120.490528	46.567272	0	Settling Pond
Bay_Chem_RI	MW-5	MW-5-2.5	3/28/94	2.5	82	<36	330	640	1,800	35,000	13,000	8.4	180,000	-120.490528	46.567272	0	Settling Pond
Bay_Chem_RI	MW-5	MW-5-7.5	3/28/94	7.5	3.4	<1.9	30	52	130	1,700	1,300	0.357	14,000	-120.490528	46.567272	0	Settling Pond
Bay_Chem_RI	MW-6	MW-6-0	3/28/94	0	140	<170	510	900	2,700	35,000	17,000	17.4	260,000	-120.490565	46.566905	0	Settling Pond
Bay_Chem_RI	MW-6	MW-6-2.5	3/28/94	2.5	210	<170	460	880	2,600	29,000	18,000	14.6	260,000	-120.490565	46.566905	0	Settling Pond
Bay_Chem_RI	MW-6	MW-6-5.0	3/28/94	5	<78	<110	77	140	680	8,700	3,700	1.99	43,000	-120.490565	46.566905	0	Settling Pond
Bay_Chem_RI	N10E11.5	N10E11.5-1	11/8/95	1	<2.3	<3.4	27	19	29	34	54	<1.1	3,800B	-120.490547	46.566958	0	Settling Pond
Bay_Chem_RI	N10E11.5	N10E11.5-2	11/8/95	2	<1.7	<2.5	19	15	20	56	340	<0.83	2,500B	-120.490547	46.566958	0	Settling Pond
Bay_Chem_RI	N10E12.3	N10E12.3(0-0.5)	10/3/96	0	--	--	--	--	--	190	--	--	--	-120.490218	46.567034	0	YSF Southwest
Bay_Chem_RI	N10E12.3	N10E12.3(1.5-2)	10/3/96	1.5	--	--	--	--	--	82	--	--	--	-120.490218	46.567034	0	YSF Southwest
Bay_Chem_RI	N10E12.3	N10E12.3(3.5-4)	10/3/96	3.5	--	--	--	--	--	28	--	--	--	-120.490218	46.567034	0	YSF Southwest
Bay_Chem_RI	N10E12.3	N10E12.3(5.5-6)	10/3/96	5.5	--	--	--	--	--	51	--	--	--	-120.490218	46.567034	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(0-0.5)	10/3/96	0	--	--	--	--	--	24,000	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(0-0.5) SPLIT	10/3/96	0	--	--	--	--	--	27,000	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(1.5-2)	10/3/96	1.5	--	--	--	--	--	1,700	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(1.5-2) SPLIT	10/3/96	1.5	--	--	--	--	--	1,300	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(3.5-4)	10/3/96	3.5	--	--	--	--	--	160	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(3.5-4) SPLIT	10/3/96	3.5	--	--	--	--	--	210	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(5.5-6)	10/3/96	5.5	--	--	--	--	--	44	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11.5E12.3	N11.5E12.3(5.5-6) SPLIT	10/3/96	5.5	--	--	--	--	--	45	--	--	--	-120.49039	46.567422	0	YSF Southwest
Bay_Chem_RI	N11E10	N11E10-0	5/20/94	0	1.9	--	--	--	--	250	--	--	--	-120.491191	46.567095	0	BC Operations Area
Bay_Chem_RI	N12.3E10	N12.3E10-0	5/20/94	0	--	--	--	--	--	560	--	--	--	-120.491343	46.56743	0	BC Operations Area
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(0-0.5)	10/4/96	0	--	--	--	--	--	420	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(0-0.5) SPLIT	10/4/96	0	--	--	--	--	--	510	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(1.5-2)	10/4/96	1.5	--	--	--	--	--	140	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(1.5-2) SPLIT	10/4/96	1.5	--	--	--	--	--	140	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(3.5-4)	10/4/96	3.5	--	--	--	--	--	130	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(3.5-4) SPLIT	10/4/96	3.5	--	--	--	--	--	150	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(5.5-6)	10/4/96	5.5	--	--	--	--	--	20	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N12.5E12.5	N12.5E12.5(5.5-6) SPLIT	10/4/96	5.5	--	--	--	--	--	11	--	--	--	-120.490442	46.567703	0	YSF Southwest
Bay_Chem_RI	N13E10.5	N13E10.5-0	5/20/94	0	--	--	--	--	--	170	--	--	--	-120.491302	46.56765	0	BC Operations Area
Bay_Chem_RI	N14E10	N14E10-0	5/20/94	0	--	--	--	--	--	1,800	--	--	--	-120.491558	46.567872	0	BC Operations Area
Bay_Chem_RI	N14E11.5	N14E11.5-0	5/20/94	0	--	--	--	--	--	850	--	--	--	-120.491059	46.567996	0	BC Operations Area
Bay_Chem_RI	N14E11.5	N14E11.5-E-1.5	10/25/94	1.5	<20	<31	--	--	--	9,100	--	0.648	--	-120.491059	46.567996	0	BC Operations Area
Bay_Chem_RI	N14E11.5	N14E11.5-E-3.5	10/25/94	3.5	--	--	--	--	--	23,000	--	--	--	-120.491059	46.567996	0	BC Operations Area
Bay_Chem_RI	N14E11.5	N14E11.5-E-5.5	10/25/94	5.5	<22	<31	78	20	57	120	490	0.097	8,600	-120.491059	46.567996	0	BC Operations Area
Bay_Chem_RI	N15E10.5	N15E10.5-0	5/20/94	0	--	--	--	--	--	9,300	--	--	--	-120.491554	46.56817	0	BC Operations Area
Bay_Chem_RI	N15E11	N15E11-0	5/20/94	0	--	--	--	--	--	24,000	--	--	--	-120.491365	46.568214	0	BC Operations Area
Bay_Chem_RI	N15E11	N15E11-N-1.5	10/25/94	1.5	<20	<30	75	110	340	5,900	2,800	1.01	28,000	-120.491365	46.568214	0	BC Operations Area
Bay_Chem_RI	N15E11	N15E11-N-3.5	10/25/94	3.5	--	--	--	--	--	310	--	--	--	-120.491365	46.568214	0	BC Operations Area
Bay_Chem_RI	N15E11	N15E11-N-5.5	10/25/94	5.5	--	--	--	--	--	97	--	--	--	-120.491365	46.568214	0	BC Operations Area
Bay_Chem_RI	N15E9.8	N15E9.8(0-0.5)	10/4/96	0	0.95	2.4	1.4	14	37	120	410	0.04	410	-120.491803	46.568113	0	BC Operations Area
Bay_Chem_RI	N15E9.8	N15E9.8(1.5-2)	10/4/96	1.5	--	--	--	--	--	14	--	--	--	-120.491803	46.568113	0	BC Operations Area
Bay_Chem_RI	N15E9.8	N15E9.8(3.5-4)	10/4/96	3.5	--	--	--	--	--	13	--	--	--	-120.491803	46.568113	0	BC Operations Area

Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc				
Bay_Chem_RI	N15E9.8	N15E9.8(5.5-6)	10/4/96	5.5	--	--	--	--	--	12	--	--	--	-120.491803	46.568113	0	BC Operations Area
Bay_Chem_RI	N16E10	N16E10-0	5/20/94	20	14	--	--	--	--	6,700	--	1.58	--	-120.491811	46.568387	0	BC Operations Area
Bay_Chem_RI	N16E11.5	N16E11.5-0	5/20/94	1.5	33	<3.8	280	480	1,300	16,000	9,400	5	120,000	-120.491302	46.568518	0	BC Operations Area
Bay_Chem_RI	N16E11.5	N16E11.5-3.5	10/25/94	3.5	36	<31	220	380	1,300	24,000	7,200	54.4	63,000	-120.491302	46.568518	0	BC Operations Area
Bay_Chem_RI	N16E11.5	N16E11.5-5.5	10/25/94	5.5	<19	<29	18	30	100	940	1000	2.6	3,400	-120.491302	46.568518	0	BC Operations Area
Bay_Chem_RI	N16E11.5	N16E11.5-6.5	10/25/94	6.5	<17	<26	--	--	--	200	--	6.93	--	-120.491302	46.568518	0	BC Operations Area
Bay_Chem_RI	N17E11	N17E11-0	5/20/94	0	69	<3	810	780	2,100	12,000	17,000	7.24	190,000	-120.491622	46.568718	0	BC Operations Area
Bay_Chem_RI	N17E11	N17E11-W-1.5	10/25/94	1.5	--	--	--	--	--	11,000	--	--	--	-120.491622	46.568718	0	BC Operations Area
Bay_Chem_RI	N17E11	N17E11-W-3.5	10/25/94	3.5	<20	<30	25	34	100	1000	840	1.22	4,300	-120.491622	46.568718	0	BC Operations Area
Bay_Chem_RI	N17E11	N17E11-W-6.5	10/25/94	6.5	<17	<24	17	28	87	810	870	41	3,300	-120.491622	46.568718	0	BC Operations Area
Bay_Chem_RI	N18E10.5	N18E10.5-0	5/20/94	0	110	<3.9	310	520	1,700	20,000	13,000	5.23	150,000	-120.491929	46.56894	0	BC Operations Area
Bay_Chem_RI	N18E10.5	N18E11.5-0	5/20/94	0	--	--	--	--	--	3,700	--	--	--	-120.491929	46.56894	0	BC Operations Area
Bay_Chem_RI	N18E9.8	N18E9.8(0-0.5)	10/4/96	0	--	--	--	--	--	390	--	--	--	-120.492182	46.568878	0	BC Operations Area
Bay_Chem_RI	N18E9.8	N18E9.8(1.5-2.0)	10/4/96	1.5	0.35	2.4	1.4	13	22	76	500	<0.01	350	-120.492182	46.568878	0	BC Operations Area
Bay_Chem_RI	N18E9.8	N18E9.8(3.5-4)	10/4/96	3.5	--	--	--	--	--	22	--	--	--	-120.492182	46.568878	0	BC Operations Area
Bay_Chem_RI	N18E9.8	N18E9.8(5.5-6)	10/4/96	5.5	0.13	1.4	0.33	16	14	19	320	<0.02	66	-120.492182	46.568878	0	BC Operations Area
Bay_Chem_RI	N19E10.5	N19E10.5-1	11/8/95	1	--	--	--	--	--	41,000	--	--	--	-120.492027	46.569217	0	BC Operations Area
Bay_Chem_RI	N19E10.5	N19E10.5-2	11/8/95	2	<2.3	<3.5	34	39	120	1,600	1000	<1.2	6,000	-120.492027	46.569217	0	BC Operations Area
Bay_Chem_RI	N20E10.5	N20E10.5-0	5/20/94	0	100	<3.5	--	--	--	45,000	--	--	--	-120.492186	46.569445	0	BC Operations Area
Bay_Chem_RI	N20E10.5	N20E10.5-S-1.5	10/25/94	1.5	130	<37	630	840	2,700	23,000	16,000	102	15,000	-120.492186	46.569445	0	BC Operations Area
Bay_Chem_RI	N20E10.5	N20E10.5-S-3.5	10/25/94	3.5	--	--	--	--	--	35,000	--	--	--	-120.492186	46.569445	0	BC Operations Area
Bay_Chem_RI	N20E10.5	N20E10.5-S-6	10/25/94	6	<19	<30	28	69	260	3,900	1,400	20.2	8,600	-120.492186	46.569445	0	BC Operations Area
Bay_Chem_RI	N20E11.5	N20E11.5-1	11/8/95	1	--	--	--	--	--	2,500	--	--	--	-120.491772	46.56955	0	BC Operations Area
Bay_Chem_RI	N20E11.5	N20E11.5-2	11/8/95	2	--	--	--	--	--	150	--	--	--	-120.491772	46.56955	0	BC Operations Area
Bay_Chem_RI	N20E9.8	N20E9.8(0-0.5)	10/4/96	0	--	--	--	--	--	830	--	--	--	-120.492424	46.569401	0	BC Operations Area
Bay_Chem_RI	N21E10.5	N21E10.5-1	11/8/95	1	--	--	--	--	--	1,200	--	--	--	-120.492283	46.569723	0	Flue Dust Area
Bay_Chem_RI	N21E10.5	N21E10.5-2	11/8/95	2	--	--	--	--	--	4,900	--	--	--	-120.492283	46.569723	0	Flue Dust Area
Bay_Chem_RI	N21E11.5	N21E11.5-0	5/20/94	0	160	<3.8	--	--	--	22,000	--	2.52	--	-120.491952	46.569813	0	Flue Dust Area
Bay_Chem_RI	N21E11.5	N21E11.5-W-1.5	10/25/94	1.5	100	<31	--	--	--	24,000	--	10.6	--	-120.491952	46.569813	0	Flue Dust Area
Bay_Chem_RI	N21E11.5	N21E11.5-W-3.5	10/25/94	3.5	<18	<28	--	--	--	2,300	--	1.19	--	-120.491952	46.569813	0	Flue Dust Area
Bay_Chem_RI	N21E12	N21E12-0	5/20/94	0	24	<4.3	150	150	480	8,700	3,800	5.1	52,000	-120.491778	46.569867	0	Flue Dust Area
Bay_Chem_RI	N22.5E11.5	N22.5E11.5 (0-0.5)	10/3/96	0	--	--	--	--	--	2,000	--	--	--	-120.49211	46.570211	0	Flue Dust Area
Bay_Chem_RI	N22.5E11.5	N22.5E11.5 (1.5-2)	10/3/96	1.5	--	--	--	--	--	2,000	--	--	--	-120.49211	46.570211	0	Flue Dust Area
Bay_Chem_RI	N22.5E11.5	N22.5E11.5 (3.5-4)	10/3/96	3.5	--	--	--	--	--	180	--	--	--	-120.49211	46.570211	0	Flue Dust Area
Bay_Chem_RI	N22.5E11.5	N22.5E11.5 (5.5-6)	10/3/96	5.5	--	--	--	--	--	23	--	--	--	-120.49211	46.570211	0	Flue Dust Area
Bay_Chem_RI	N22.5E10.5	N22.5E10.5	11/7/95	0	<49	<74	1,100	850	2,600	510,00J	5,100	<25	260,000B	-120.49249	46.570127	0	Flue Dust Area
Bay_Chem_RI	N22.5E10.5	N22.5E10.5-1	11/7/95	1	<48	<72	1,100	930	2,800	55,000J	23,000	<24	290,000B	-120.49249	46.570127	0	Flue Dust Area
Bay_Chem_RI	N22.5E10.5	N22.5E10.5-2	11/7/95	2	<45	<67	210	170	520	10,000J	4,900	<22	56000B	-120.49249	46.570127	0	Flue Dust Area
Bay_Chem_RI	N22E10	N22E10-0	5/20/94	0	110	<4.2	1,100	870	2,400	28,000	27,000	0.42	260,000	-120.492568	46.569935	0	Flue Dust Area
Bay_Chem_RI	N22E10	N22E10E-1.5	10/25/94	1.5	60	<28	1,100	790	2,500	22,000	21,000	0.706	280,000	-120.492568	46.569935	0	Flue Dust Area
Bay_Chem_RI	N22E10	N22E10E-3	10/25/94	3	<21	<32	--	--	--	22,000	--	0.323	--	-120.492568	46.569935	0	Flue Dust Area
Bay_Chem_RI	N22E10	N22E10-E-5.5	10/25/94	5.5	<17	<24	11	21	160	270	540	0.171	2,000	-120.492568	46.569935	0	Flue Dust Area
Bay_Chem_RI	N22E10.5	N22E10.5-1	11/7/95	0	<47	<71	1,200	960	2,800	46,000J	24,000	<24	290,000B	-120.492421	46.569994	0	Flue Dust Area
Bay_Chem_RI	N22E11	N22E11-0	5/20/94	0	--	--	--	--	--	22,000	--	--	--	-120.492263	46.57003	0	Flue Dust Area
Bay_Chem_RI	N22E11.5	N22E11.5(0-0.5)	10/3/96	0	--	--	--	--	--	16,000	--	--	--	-120.492263	46.57003	0	Flue Dust Area
Bay_Chem_RI	N23E11.5	N23E11.5(1.5-2)	10/3/96	1.5	--	--	--	--	--	2,500	--	--	--	-120.492151	46.570352	0	Flue Dust Area
Bay_Chem_RI	N23E11.5	N23E11.5(3.5-4)	10/3/96	3.5	--	--	--	--	--	4,000	--	--	--	-120.492151	46.570352	0	Flue Dust Area
Bay_Chem_RI	N23.2E9.8	N23.2E9.8(0-0.5)	10/4/96	0	--	--	--	--	--	34	--	--	--	-120.49286	46.570218	0	Flue Dust Area
Bay_Chem_RI	N23.2E9.8	N23.2E9.8(1.5-2)	10/4/96	1.5	0.51	2.9	0.59	21	21	35	650	<0.01	100	-120.49286	46.570218	0	Flue Dust Area
Bay_Chem_RI	N23E11	N23E11(0.5) DUPLICATE	10/3/96	0	--	--	--	--	--	810	--	--	--	-120.49236	46.570297	0	Flue Dust Area
Bay_Chem_RI	N23E11	N23E11(1.5-2)	10/3/96	1.5	--	--	--	--	--	97	--	--	--	-120.49236	46.570297	0	Flue Dust Area
Bay_Chem_RI	N23E11	N23E11(3.5-4)	10/3/96	3.5	--	--	--	--	--	15	--	--	--	-120.49236	46.570297	0	Flue Dust Area
Bay_Chem_RI	N23E11	N23E11(5.5-6)	10/3/96	5.5	--	--	--	--	--	11	--	--	--	-120.49236	46.570297	0	Flue Dust Area
Bay_Chem_RI	N8.9E10.7	N8.9E10.7-0	11/11/96	0	--	--	--	--	--	260	--	--	--	-120.490658	46.566596	0	BC South
Bay_Chem_RI	N8.9E10.7	N9.75E10.3-0	11/11/96	0	--	--	--	--	--	7,000	--	--	--	-120.490658	46.566596	0	BC South
Bay_Chem_RI	S01	S01A	1/31/96	0	16J	<8	203	705	--	44,600	11,300	--	50,700	-120.490251	46.566824	0	BC South

Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc				
Bay_Chem_RI	S02	S02B	1/31/96	0	<4J	21	73.9	173	--	10,600	3,020	--	18,000	-120.490434	46.56668	0	BC South
Bay_Chem_RI	S02	S02A	1/31/96	0	<3J	<8	39.7	41.2	79.8	1,090	299	--	4,180	-120.490434	46.56668	0	BC South
Bay_Chem_RI	S02	S02B	1/31/96	0	<3J	10	0.39	13.8	28.4	23.2	191	--	520	-120.490434	46.56668	0	BC South
Bay_Chem_RI	S02	S02C	1/31/96	0	<4J	12	<0.3	14.8	28	14	583	--	8,304	-120.490434	46.56668	0	BC South
Bay_Chem_RI	S03	S03A	1/31/96	0	<3J	11	2	14.3	34.1	151	890	--	655	-120.490335	46.566366	0	BC South
Bay_Chem_RI	S03	S03B	1/31/96	0	<4J	11	0.3	14.8	26.9	9.3	410	--	74	-120.490335	46.566366	0	BC South
Bay_Chem_RI	S04	S04A	1/31/96	0	<3J	<8	0.53	12.3	23.7	48	749	--	126	-120.489147	46.566367	0	BC South
Bay_Chem_RI	S04	S04B	1/31/96	0	<3J	14	0.3	13.6	35.5	13	886	--	107	-120.489147	46.566367	0	BC South
Bay_Chem_RI	S05	S05A	1/31/96	0	<3J	12	6.88	23.9	--	1,060	--	--	1,670	-120.489905	46.566653	0	BC South
Bay_Chem_RI	S06	S06A	1/31/96	0	5.5J	<8	2.35	651	--	42,700	--	--	51,800	-120.489892	46.566827	0	BC South
Bay_Chem_RI	1026-1	SED1026-1	10/26/94	0	45	<20	220	630	1,400	19,000	9,800	9.94	47,000	-120.489687	46.566868	0	Sludge Sediment
Bay_Chem_RI	1026-2	SED1026-2	10/26/94	0	<32	<48	150	540	1,200	25,000	6,800	10	36,000	-120.489886	46.566865	0	Sludge Sediment
Bay_Chem_RI	1026-3	SED1026-3	10/26/94	0	<33	<50	290	1,100	2,700	65,000	18,000	27.3	73,000	-120.490118	46.566867	0	Sludge Sediment
Bay_Chem_RI	1026-4	SED1026-4	10/26/94	0	<140	<220	340	1,300	3,000	34,000	22,000	36	81,000	-120.490361	46.566878	0	Sludge Sediment
Bay_Chem_RI	1026-5	SED1026-5A	10/26/94	0	310	100	410	1,500	3,800	46,000	27,000	32.7	100,000	-120.49071	46.566869	0	Sludge Sediment
Bay_Chem_RI	1026-5	SED1026-5B	10/26/94	0	290	100	410	1,500	3,400	40,000	26,000	21.9	97,000	-120.49071	46.566869	0	Sludge Sediment
Bay_Chem_RI	1026-6	SED1026-6	10/26/94	0	170	<17	300	1,200	2,700	25,000	21,000	16.7	71,000	-120.491036	46.566894	0	Sludge Sediment
Farallon_Sup_RI	A-TP1	A-TP1-052711-5.0	5/27/11	5	<2.9	<2.9	<0.49	--	24	6.3	170	0.035	830	-120.4908	46.568129	0	YSF West
Farallon_Sup_RI	A-TP2	A-TP2-052711-5.0	5/27/11	5	<3.1	<3.1	<0.51	--	23	5.9	310	0.26	54	-120.4906	46.568145	0	YSF West
Farallon_Sup_RI	B-TP2	B-TP2-052611-5.5	5/26/11	5.5	<2.9	<2.9	<0.48	--	24	4.6	210	0.052	56	-120.490493	46.56789	0	YSF Southwest
Farallon_Sup_RI	B-TP3	B-TP3-052611-5.5	5/26/11	5.5	<2.7	<2.7	<0.45	--	20	13	330	0.053	69	-120.490403	46.567836	0	YSF Southwest
Farallon_Sup_RI	C-TP1	C-TP1-052611-5.0	5/26/11	5	<3.5	<3.5	<0.58	--	29	5.8	280	0.088	69	-120.490355	46.567665	0	YSF Southwest
Farallon_Sup_RI	C-TP2	C-TP2-052611-8.0	5/26/11	8	<2.9	<2.9	0.95	--	25	41	240	0.09	610	-120.490554	46.567641	0	YSF Southwest
Farallon_Sup_RI	C-TP3	C-TP3-052611-4.5	5/26/11	4.5	<3.1	<3.1	<0.51	--	23	5.2	340	0.05	58	-120.49044	46.567775	0	YSF Southwest
Farallon_Sup_RI	D-TP1	D-TP1-052511-4.5	5/25/11	4.5	<3.5	<3.5	<0.59L	--	27	20	370	0.1	340	-120.490427	46.567313	0	YSF Southwest
Farallon_Sup_RI	D-TP2	D-TP2-052511-5.5	5/25/11	5.5	<5.3	<5.3	88	--	74	1000	410	0.43	7,000	-120.490339	46.56748	0	YSF Southwest
Farallon_Sup_RI	D-TP3	D-TP3-052611-4.5	5/26/11	4.5	<2.9	<2.9	<0.49	--	24	13	330	0.041	260	-120.490246	46.567422	0	YSF Southwest
Farallon_Sup_RI	E-TP1	E-TP1-052511-4.5	5/25/11	4.5	<2.5L	<2.5	8.8	--	19	27	570	0.041	2,200	-120.49029	46.566988	0	YSF Southwest
Farallon_Sup_RI	E-TP2	E-TP2-052511-3.0	5/25/11	3	<2.7L	<2.7	6.2	--	28	100	480	0.087	2,400	-120.490367	46.56721	0	YSF Southwest
Farallon_Sup_RI	G-TP1	G-TP1-052511-0.0-0.5	5/25/11	0.5	<2.8L	8.6	1.3	--	19	27	540	0.19	61	-120.489899	46.567526	0	YSF East
Farallon_Sup_RI	G-TP1	G-TP1-052511-2.0-2.5	5/25/11	2.5	<3.3L	7.6	1.6	--	25	44	550	2.4	150	-120.489899	46.567526	0	YSF East
Farallon_Sup_RI	G-TP2	G-TP2-052511-0.0-0.5	5/25/11	0.5	<3.7	5.2	1.3	--	25	31	510	0.07	80	-120.490164	46.567533	0	YSF Central
Farallon_Sup_RI	G-TP3	G-TP3-052511-0.0-0.5	5/25/11	0.5	<3.3L	4.4	1.7	--	28	30	530	0.055	100	-120.490078	46.567437	0	YSF Central
Farallon_Sup_RI	G-TP3	G-TP3-052511-2.0-2.5	5/25/11	2.5	<3.3	3.9	1.2	--	23	150	240	0.48	450	-120.490078	46.567437	0	YSF Central
Farallon_Sup_RI	H-TP1	H-TP1-052611-0.0-0.5	5/26/11	0.5	3.3	<2.7	1	--	360	72	440	0.048	270	-120.490058	46.567751	0	YSF Central
Farallon_Sup_RI	H-TP2	H-TP1-052611-3.5-4.0	5/26/11	4	<2.8	7.1	<0.46	--	23	36	420	0.086	82	-120.490242	46.567755	0	YSF Central
Farallon_Sup_RI	H-TP2	H-TP2-052611-1.0-1.5	5/26/11	1.5	<2.7	4.1	1.1	--	39	110	460	0.13	350	-120.490242	46.567755	0	YSF Central
Farallon_Sup_RI	H-TP3	H-TP2-052611-2.0-2.5	5/26/11	2.5	<3.3	<3.3	<0.55	--	24	84	530	0.19	200	-120.490121	46.567608	0	YSF Central
Farallon_Sup_RI	H-TP3	H-TP3-052611-0.0-0.5	5/26/11	0.5	<2.5	4.3	0.76	--	25	42	400	0.054	150	-120.490121	46.567608	0	YSF Central
Farallon_Sup_RI	H-TP3	H-TP3-052611-3.5-4.0	5/26/11	4	<2.8	<2.8	1.1	--	100	170	360	0.053	210	-120.490121	46.567608	0	YSF Central
Farallon_Sup_RI	I-TP3	I-TP3-052411-0.0-0.5	5/24/11	0.5	<2.1	<2.9	<0.49	--	41	67	560	0.14	210	-120.490283	46.568058	0	YSF Central
Farallon_Sup_RI	I-TP3	I-TP3-052411-1.5	5/24/11	1.5	3.6	8.2	<0.51	--	53	370	380	0.4	570	-120.490283	46.568058	0	YSF Central
Farallon_Sup_RI	I-TP3	I-TP3-052411-3.0	5/24/11	3	3.2	<3	0.82	--	160	730	390	0.38	870	-120.490283	46.568058	0	YSF Central
Farallon_Sup_RI	J-TP1	J-TP1-052411-0.0-0.5	5/24/11	0.5	2.9	<2.9	<0.48	--	57	50	380	0.25	190	-120.49027	46.568264	0	YSF Central
Farallon_Sup_RI	J-TP2	J-TP2-052411-0.0-0.5	5/24/11	0.5	7.1	<3.1	1.4	--	74	410	520	0.38	790	-120.49032	46.568199	0	YSF Central
Farallon_Sup_RI	J-TP3	J-TP3-052511-1.5-2.0	5/25/11	2	<2.8	8.5	0.48	--	29	600	300	0.17	480	-120.490406	46.56836	0	YSF Central
Farallon_Sup_RI	M-TP1	M-TP1-052511-0.0-0.5	5/25/11	0.5	<3.1	6.2	2.8	--	1,300	130	550	0.07	120	-120.489933	46.56779	0	YSF East
Farallon_Sup_RI	M-TP1	M-TP1-052511-3.0-3.5	5/25/11	3.5	<3.7	4.4	<0.62L	--	23	13	430	0.095	37	-120.489933	46.56779	0	YSF East
Farallon_Sup_RI	M-TP2	M-TP2-052511-0.0-0.5	5/25/11	0.5	<3	5.3	--	--	67	160	420	0.26	490	-120.489846	46.56788	0	YSF East
Farallon_Sup_RI	N-TP1	N-TP1-052411-0.0-0.5	5/24/11	0.5	<3.3	4.9	<0.54L	--	25	40	500	0.096	97	-120.489733	46.567534	0	YSF East
ECY_EPI_Sampling	Pit A		7/9/07	2	--	11.9	5.38	79.8	--	439	569	--	1,710	-120.489733	46.567534	0	YSF West
ECY_EPI_Sampling	Pit B		7/9/07	0.5	--	13	4.22	136	--	290	524	--	1,200	-120.489733	46.567534	0	YSF Southwest
ECY_EPI_Sampling	Pit C		7/9/07	0.5	--	13	7.6	944	--	674	645	--	2,200	-120.489733	46.567534	0	YSF Southwest
ECY_EPI_Sampling	Pit D		7/9/07	2	--	55	330	1,820	--	22,500	12,500	--	123,000	-120.489733	46.567534	0	YSF Southwest
ECY_EPI_Sampling	Pit E		7/9/07	0	--	2.9	15.3	57.9	--	762	515J	--	3,100	-120.489733	46.567534	0	YSF Southwest
ECY_EPI_Sampling	Pit K		7/9/07	2	--	12.5	1.1	62	--	409	369	--	465	-120.489733	46.567534	0	YSF Central

**Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc				
ECY_EPI_Sampling	Pit L		7/9/07	1	--	6.17	0.67	30.4	--	212	336	--	369	-120.489733	46.567534	0	YSF Central
ECY_EPI_Sampling	Pit M		7/9/07	0	--	8.12	4.3	5,560	--	433	2,270	--	995	-120.489733	46.567534	0	YSF Central
ECY_EPI_Sampling	Pit N		7/9/07	0	--	1.5	<0.1	77.4J	--	5.67	160	--	69	-120.489733	46.567534	0	YSF Southwest
ECY_EPI_Sampling	TP-2		7/9/07	1.25	<3	<5	6.9	51	16	630	--	0.26	2,100	-120.490625	46.567993	0	YSF Southwest
ECY_EPI_Sampling	TP-3		7/9/07	2.25	<3	<5	2	35	6.7	300	--	0.09	150	-120.490358	46.567659	0	YSF Southwest
ECY_EPI_Sampling	TP-4		7/9/07	2	65	<5	310	2,000	490	27,000	--	14	140,000	-120.490478	46.567328	0	YSF Southwest
ECY_EPI_Sampling	TP-8		7/9/07	1	<3	<5	2.9	82	15	2,800	--	0.09	1,700	-120.489951	46.567728	0	YSF East
ECY_EPI_Sampling	TP-11		7/9/07	1	<3	<5	1.3	22	15	170	--	0.23	310	-120.48994	46.568041	0	YSF East
ECY_EPI_Sampling	TP-13		7/9/07	0	<3	<5	1.2	21	8.6	31	--	0.04	99	-120.489709	46.567547	0	YSF East
Farallon_Sup_RI	E-WETSOIL-1	E-wetsoil-052611-0.0-0.5	5/26/11	0.5	<5.1	<5.1	3.7	--	39	110	190	0.14	1,700	-120.490058	46.567036	0	YSF Southwest
Farallon_Sup_RI	E-WETSOIL-1	E-wetsoil-052611-0.5-1.0	5/26/11	1	<2.4	<2.4	<0.4	--	17	4.2	160	0.043	310	-120.490058	46.567036	0	YSF Southwest
Farallon_Sup_RI	E-WETSOIL-2	E-wetsoil-2-052611-0.5-1.0	5/26/11	1	<3.4	<3.4	1.6	--	19	19	250	0.071	670	-120.490198	46.56707	0	YSF Southwest
Farallon_Sup_RI	E-WETSOIL-2	E-wetsoil-2-052611-1.0-2.0	5/26/11	2	<3	<3	1.8	--	20	4.4	270	0.059	870	-120.490198	46.56707	0	YSF Southwest
Farallon_Sup_RI	E-WETSED-1	E-wetsed-1-053111	5/23/11	0.5	<5.8	<5.8	9.2	--	36	190	210	--	2,700	-120.490271	46.567233	0	YSF Southwest
Farallon_Sup_RI	E-WETSED-2	E-wetsed-2-053111	5/23/11	0.5	<6.9	7.6	6.8	--	41	150	220	--	2,800	-120.490116	46.567259	0	YSF Southwest
Farallon_Sup_RI	E-WETSED-3	E-wetsed-3-053111	5/23/11	0.5	<6.1	8.5	7.8	--	52	180	270	--	2,700	-120.490103	46.567126	0	YSF Southwest
Farallon_Sup_RI	G-WETSOIL	G-wetsoil-052611-0.0-0.5	5/26/11	0.5	<2.4	<2.4	<0.4	--	16	3.5	210	0.044	41	-120.490078	46.567437	0	YSF Southwest
Farallon_Sup_RI	G-WETSOIL	G-wetsoil-052611-1.0-2.0	5/26/11	2	<4.2	<4.2	1.5	--	40	80	470	0.14	510	-120.490078	46.567437	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YSF7B4	BC-082907-YSF-7B4	8/29/07	0	--	6.81	2.19	19.4	37.3	187	642	0.134	--	-120.4911566	46.56907284	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSFE800	BC-083007-YSF-E800	8/30/07	0	--	1.43	1.16	88.31	<19	110	500	5.44	--	-120.491161	46.5688865	0	YSF West
YSF_Soil_Data_EIM	CD1906-YSFE850	BC-083007-YSF-E850	8/30/07	0	--	6.26	2.26	165.62	43.1	167	420	0.175	--	-120.4911047	46.56875857	0	YSF West
YSF_Soil_Data_EIM	CD1906-YSFE900	BC-083007-YSF-E900	8/30/07	0	--	5.39	<17	78.52	40.94	172.07	438.53	<0.113	--	-120.4910484	46.56863173	0	YSF West
YSF_Soil_Data_EIM	CD1906-YSFE950	BC-083007-YSF-E950	8/30/07	0	--	3.57	<17	24.1	48.04	16.31	669.06	10.2	--	-120.4909803	46.56850162	0	YSF West
YSF_Soil_Data_EIM	CD1906-CP6A2	BC-091407-CP-6A2	9/14/07	0	--	8.37	<17	15	25	90.2	749	0.114	--	-120.491388	46.56935943	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP6B3	BC-091407-CP-6B3	9/14/07	0	--	6.79	<5.44	104.95	13.7	11.2	1,317	<5	--	-120.4911987	46.56934918	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPE650	BC-091407-CP-E650	9/14/07	0	--	<6	<6	42.2	77.9	1,169	417	0.819	--	-120.4910573	46.56935858	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPE6A4	BC-091407-CP-E6A4	9/14/07	0	--	<5.4	<5.4	8.7	11.6	7.13	252	<5	--	-120.4910896	46.56936376	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPN100	BC-091407-CP-N100	9/14/07	0	--	<5.14	<5.14	12.4	30.9	175	145	<5	--	-120.4911357	46.56939988	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPN50	BC-091407-CP-N50	9/14/07	0	--	<5.38	<5.38	13.2	25	172.73	662	5.18	--	-120.4913308	46.56940224	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPN75	BC-091407-CP-N75	9/14/07	0	--	<5.34	<17	18.8	31.23	231.71	444.23	5.38	--	-120.4912208	46.56939852	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP5A1	BC-092107-CP-5A1	9/21/07	0	--	<5.36	<5.36	17.8	23.9	42.5	635	<5	--	-120.4915993	46.56959261	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP5B1	BC-092107-CP-5B1	9/21/07	0	--	<6	<17	104.72	23.1	11.57	510.51	<5	--	-120.491421	46.5696315	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP5D2	BC-092107-CP-5D2	9/21/07	0	--	<5.44	<5.44	14.8	31.61	<5.44	289	6.92	--	-120.4914535	46.56948485	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP4B4	BC-092407-CP-4B4	9/24/07	0	--	<5.18	<5.18	15.8	<19	95.78	408	7.18	--	-120.4915052	46.56979152	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CP4C4	BC-092407-CP-4C4	9/24/07	0	--	<6	<17	15	25.8	123	448	0.286	--	-120.4914457	46.56970002	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSF7EB2	BC-092407-YSF-7EB2	9/24/07	0	--	<5.66	<17	61.94	20.92	75.92	738.56	0.156	--	-120.4909826	46.56919286	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPE500	BC-092507-CP-E500	9/25/07	0	--	5.17	<5.02	20	<19	129	502	<0.0972	--	-120.4913777	46.56968257	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-CPN430	BC-092507-CP-N430	9/25/07	0	--	<5.24	<17	<55	<19	16.87	867.44	<5	--	-120.4915706	46.56981706	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSFE750	BC-092507-YSF-E750	9/25/07	0	--	<5.35	<5.35	15.9	12.5	21.8	430	<5	--	-120.491209	46.56901565	1	YSF West
YSF_Soil_Data_EIM	CD1906-YSE1425W	BC-092707-YS-E1425W	9/27/07	0	--	8.8	<4.81	97.16	29.2	74.4	431	<5	--	-120.4903222	46.56736712	1	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YSFS758	BC-092807-YSF-S758	9/28/07	0	--	<6	<5.74	13.8	16.9	27.8	411	<5	--	-120.4910072	46.5691057	1	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YS12WA1	BC-080307-YS-12W-A1	8/3/07	4	--	2.56	5.47	17	28.3	47.9	610	<0.112	--	-120.4907591	46.56782687	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS12WC1	BC-080307-YS-12W-C1	8/3/07	4	--	2.64	<0.433	<55	<19	7.23	231	<0.118	--	-120.490527	46.56774259	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS12WD1	BC-080307-YS-12W-D1	8/3/07	4	--	2.18	1.06	17.1	37.31	4.63	318	<0.114	--	-120.4906947	46.56770893	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS13WD4	BC-080307-YS-13W-D4	8/3/07	4	--	1.65	0.733	18.3	30.8	11.6	382	<5	--	-120.4905443	46.5673754	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS14WA4	BC-080307-YS-14W-A4	8/3/07	4	--	9.17	4.66	14.9	24.92	151	603	0.123	--	-120.490473	46.56724873	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS14WD4	BC-080307-YS-14W-D4	8/3/07	4	--	2.85	1.72	78.04	<19	97.78	451	6.26	--	-120.4904157	46.56712926	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS15WA4	BC-080307-YS-15W-A4	8/3/07	4	--	2.54	1.57	<55	26.6	88.07	334	<0.102	--	-120.4903602	46.56701448	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YS15WD4	BC-080307-YS-15W-D4	8/3/07	4	--	2.56	<17	17	21.8	30.9	449	11.23	--	-120.490339	46.5669706	0	YSF Southwest
YSF_Soil_Data_EIM	CD1906-YSF6C4	BC-082907-YSF-6C4	8/29/07	4	--	2.45	<17	108.93	<19	119.54	780.52	6.89	--	-120.4912205	46.56919869	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSF6D4	BC-082907-YSF-6D4	8/29/07	4	--	<6	<17	72.26	<19	22.6	820.4	<5	--	-120.491404	46.56916118	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSF7A2	BC-082907-YSF-7A2	8/29/07	4	--	19.88	1.84	15.9	28.1	146	670.53	0.0969	--	-120.4912637	46.56911166	0	YSF Northwest
YSF_Soil_Data_EIM	CD1906-YSF8A3	BC-083007-YSF-8A3	8/30/07	4	--	22.46	<4.84	16.9	28.2	73.7	884.31	10.43	--	-120.4911419	46.56878699	0	YSF West
YSF_Soil_Data_EIM	CD1906-YSF8D3	BC-083007-YSF-8D3	8/30/07	4	--	13.98	<17	127.04	<19	91.03	712	<5	--	-120.4910918	46.56866317	0	YSF West
YSF_Soil_Data_EIM	CD1906-YSF10B1	BC-090507-YSF-10B1	9/5/07	4	--	<5.57	<5.57	15.2	28.3	8.58	443	6.22	--	-120.4908464	46.56838123	1	YSF West
YSF_Soil_Data_EIM	CD1906-YSF10C4	BC-090507-YSF-10C4	9/5/07	4	--	<6	<6.17	13.3	26.5	14.4	312	<5	--	-120.4907552	46.56816853	1	YSF West
YSF_Soil_Data_EIM	CD1906-YSF11A2	BC-090507-YSF-11A2	9/5/07	4	--	7.82	<6.36	11.7	20.9	11.7	266	<0.139	--	-120.4908115	46.56809212	1	YSF West

**Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵	
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc					
YSF_Soil_Data_EIM	CD1906-YSFE1050	BC-090507-YSF-E1050	9/5/07	4	--	<5.86	<17	<55	27.73	162.07	508.37	<5	--	-120.4907609	46.56827109	1	YSF West	
YSF_Soil_Data_EIM	CD1906-YSFE1100	BC-090507-YSF-E1100	9/5/07	4	--	18.6	<5.5	10.4	24	92.7	696.77	<0.103	--	-120.4907209	46.56814643	1	YSF West	
YSF_Soil_Data_EIM	CD1906-YSF7D3	BC-090607-YSF-7D3	9/6/07	4	--	<5.46	<5.46	71.97	<19	11.51	563.07	<5	--	-120.4912149	46.56892619	1	YSF West	
YSF_Soil_Data_EIM	CD1906-YSF11A4	BC-091207-YSF-11A4	9/12/07	4	--	6.52	<5.6	17.5	26.5	10.6	423.34	<0.136	--	-120.4908456	46.5680069	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSF11B4	BC-091207-YSF-11B4	9/12/07	4	--	<5.75	<5.75	101.84	24.9	<5.75	752.49	<0.124	--	-120.4906709	46.56804757	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSF11D2	BC-091207-YSF-11D2	9/12/07	4	--	<5.68	<17	<55	28.5	16.87	402	<0.123	--	-120.4907474	46.56795415	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSF12B4	BC-091207-YSF-12B4	9/12/07	4	--	<5.94	<5.94	17.6	20.41	<5.94	441.86	<5	--	-120.4905519	46.56780776	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSFE1000	BC-091207-YSF-E1000	9/12/07	4	--	26.06	<17	16.8	<19	332.58	348.47	<5	--	-120.4908509	46.5684025	1	YSF West	
YSF_Soil_Data_EIM	CD1906-YSFE1150	BC-091207-YSF-E1150	9/12/07	4	--	<6	<17	<55	<19	116.13	309	0.324	--	-120.4906391	46.56803099	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-CP6C1	BC-091407-CP-6C1	9/14/07	4	--	9.02	<5	12.6	30	138	800.6	0.205	--	-120.4912188	46.56924526	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-CPE675	BC-091407-CP-E675	9/14/07	4	--	<5.41	<5.41	<55	68.3	379	349	0.349	--	-120.4910196	46.56929177	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-CP5D4	BC-092107-CP-5D4	9/21/07	4	--	10.64	<5.09	16.4	26.1	79.9	520	0.128	--	-120.4915131	46.56941099	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-CP6A1	BC-092107-CP-6A1	9/21/07	4	--	<6	<5.43	79.85	<19	45.15	563.17	<0.116	--	-120.4914741	46.56933734	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-CP6A4	BC-092107-CP-6A4	9/21/07	4	--	<5.23	<17	166.46	<19	25.55	953.87	<0.1	--	-120.4914412	46.56927506	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-CP4D2	BC-092407-CP-4D2	9/24/07	4	--	7.37	<17	99.46	<19	115.78	897.61	14.49	--	-120.4915684	46.56973678	1	YSF Northwest	
YSF_Soil_Data_EIM	CD1906-YS13WC1	BC-092707-YS-13W-C1	9/27/07	4	--	<8.95	31.2	14.1	20.15	54.5	409	<0.187	--	-120.4910878	46.56732118	0	BC Operations Area	
YSF_Soil_Data_EIM	CD1906-YS14WB1	BC-092707-YS-14W-B1	9/27/07	4	--	<10.3	<17	13.1	<19	142	345	<0.222	--	-120.4903546	46.56736604	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSE1300W	BC-092707-YS-E1300W	9/27/07	4	--	7.88	<5.15	15.3	28	43.6	532	<5	--	-120.4904234	46.56765209	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSE1350W	BC-092707-YS-E1350W	9/27/07	4	--	<6	<4.96	<4.96	27.5	5.95	2,233	<5	--	-120.4903881	46.56753241	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSS14W60	BC-092707-YS-S14W-60	9/27/07	4	--	15.3	<17	<55	<19	62.7	552	<5	--	-120.4903275	46.56732738	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YS12WB2	BC-100407-YS-12W-B2	10/4/07	4	--	<5.78	<5.78	7.86	<19	7.4	138	<0.122	--	-120.490516	46.56787254	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YS12WB3	BC-100407-YS-12W-B3	10/4/07	4	--	19.85	<17	124.98	<19	123.24	287.25	<0.115	--	-120.4904834	46.56781486	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YS12WC2	BC-100407-YS-12W-C2	10/4/07	4	--	<6	<8.75	16.3	28.4	10.2	278.57	<0.165	--	-120.490443	46.56774873	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YS12WC3	BC-100407-YS-12W-C3	10/4/07	4	--	<6	<7.53	21.7	<19	7.05	276	<5	--	-120.4904268	46.56771721	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YS13WA4	BC-100507-YS-13W-A4	10/5/07	4	--	<6.19	10.6	<55	28.6	6.73	286	<0.154	--	-120.4909654	46.56742397	0	BC Operations Area	
YSF_Soil_Data_EIM	CD1906-YSE1200W	BC-100507-YS-E1200W	10/5/07	4	--	14.34	<4.5	12.3	<19	48.26	841	<0.106	--	-120.4904352	46.56786492	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSE1275W	BC-100507-YS-E1275W	10/5/07	4	--	6.6	<5.04	145.88	27.6	55.7	695	<0.117	--	-120.4903979	46.5677028	1	YSF Southwest	
YSF_Soil_Data_EIM	CD1906-YSF9A1	BC-083007-YSF-9A1	8/30/07	6	--	26.13	<4.6	16.4	24.8	156	726.72	0.123	--	-120.4911252	46.56856967	0	YSF West	
YSF_Soil_Data_EIM	CD1906-YSF10A3	BC-083107-YSF-10A3	8/31/07	6	--	8.85	<17	61.97	<19	7.73	343.71	<0.117	--	-120.4909074	46.56827917	0	YSF West	
YSF_Soil_Data_EIM	CD1906-YSF10D1	BC-083107-YSF-10D1	8/31/07	6	--	3.4	1.88	17.2	25.6	14.57	556	<0.13	--	-120.4909326	46.56820648	0	YSF West	
YSF_Soil_Data_EIM	CD1906-YSF9D2	BC-090707-YSF-9D2	9/7/07	6	--	<6	<17	17.6	24.9	24.98	732	<5	--	-120.4909996	46.56847166	1	YSF West	
BC_Soil_Data_EIM	CD1906-13WA1	BC-040707-13W-A1	4/7/07	0	--	<5.35	6.47	134.9	17.1	13.4	354	<0.0949	--	-120.4912831	46.56740584	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-13WD1	BC-040707-13W-D1	4/7/07	0	--	<5.2	7.26	14.3	22	42.1	862	0.131	--	-120.4912195	46.56728934	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-NEA1	BC-053007-NE-A1	5/30/07	2	--	6.99	1.28	95.58	38.04	35.79	729	<0.109	--	-120.4925422	46.57039123	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEA2	BC-053007-NE-A2	5/30/07	2	--	5.24	<17	100.71	11.78	25.43	723.42	8.33	--	-120.4924314	46.5703974	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEA3	BC-053007-NE-A3	5/30/07	2	--	2.88	<17	52.24	22.34	35.48	810.48	4.73	--	-120.4923955	46.57021668	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEA4	BC-053007-NE-A4	5/30/07	2	--	9.65	<17	124.39	12.42	5.37	643.4	<5	--	-120.4924518	46.57030244	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEB1	BC-053007-NE-B1	5/30/07	2	--	3.68	<17	78.75	18.77	24.36	734.12	<5	--	-120.4922294	46.57041926	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEB2	BC-053007-NE-B2	5/30/07	2	--	<6	<17	143.28	36.89	15.42	658.71	5.85	--	-120.4921196	46.57041945	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEB3	BC-053007-NE-B3	5/30/07	2	--	5.01	<17	58.21	11.58	11.21	625.91	<5	--	-120.4923176	46.57024257	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEB4	BC-053007-NE-B4	5/30/07	2	--	9.15	<17	111.72	51.28	174.01	888.25	<5	--	-120.4922311	46.57035142	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEC1	BC-053007-NE-C1	5/30/07	2	--	<6	<17	66.19	40.75	192.79	876.88	<5	--	-120.4920584	46.57038275	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEC2	BC-053007-NE-C2	5/30/07	2	--	<6	<17	33.62	6.18	13.36	620.92	<5	--	-120.491982	46.57017854	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NED3	BC-053007-NE-D3	5/30/07	2	--	3.02	<17	<48	<19	12.63	720	6.22	--	-120.4919063	46.56996532	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NED4	BC-053007-NE-D4	5/30/07	2	--	<6	<17	107.66	21.55	77.36	903.2	5.48	--	-120.4920382	46.57006983	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEC3	BC-121307-NE-C3	12/13/07	2	--	<0.506	<0.506	3.07	<19	2.52	764	<0.107	--	-120.4921866	46.57018705	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NEC4	BC-121307-NE-C4	5/30/07	2	--	<6	<17	88.07	12.75	9.84	773.36	<5	--	-120.4921163	46.57029533	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NED1	BC-121307-NE-D1	5/30/07	2	--	<6	<17	97.26	31.94	11.01	762.62	<5	--	-120.4921958	46.57008845	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-NED2	BC-121307-NE-D2	5/30/07	2	--	<6	<17	51.55	18.38	5.37	537.92	<5	--	-120.4919295	46.57011156	0	Flue Dust Area	
BC_Soil_Data_EIM	CD1906-12ED4	BC-040507-12E-D4	4/5/07	4	--	6.95	<5.7	96.3	<19.2	<7.1	474.13	<0.118	--	-120.4910196	46.56755298	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-12WC3	BC-040507-12W-C3	4/5/07	4	--	<5.2	<16.6	104.08	17	18.54	965.31	<5.4	--	-120.4911157	46.56751929	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-13WC1	BC-040707-13W-C1	4/7/07	4	--	<5.72	<5.72	17.3	<19.2	140	570	<0.0914	--	-120.4904736	46.56748415	0	YSF Southwest	
BC_Soil_Data_EIM	CD1906-12EB3	BC-041107-12E-B3	4/11/07	4	--	<6.8	<11.5	45.94	<13.6	9.18	388.62	<0.124	--	-120.490825	46.56774965	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-12EC1	BC-041107-12E-C1	4/11/07	4	--	<3.7	<11.5	17.9	28.55	116.3	450.24	4.78	--	-120.4908598	46.56766314	0	BC Operations Area	
BC_Soil_Data_EIM	CD1906-13EC4	BC-041107-13E-C4	4/11/07	4	--	26.13	<11.5	39	32.1	170.44	503.42	<0.114	--	-120.4906977	46.56734801	0	Settling Pond	
BC_Soil_Data_EIM	CD1906-13ED4	BC-041107-13E-D4	4/11/07	4	--	<3.7	<11.5	89.66	31.8	11.05	361.89	<3.7	--	-120.4909091	46.56730018	0	Settling Pond	
BC_Soil_Data_EIM	CD1906-14EA4	BC-041207-14E-A4	4/12/07	4	--	--	--	16.3	87.91	21.1	58.4	633	<0.1	--	-120.4908436	46.56717785	0	Settling Pond

**Table B-1
Yakima Steel Facility and Bay Chemical Site Metals Data
Agri-Tech and Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001**

Data Source ¹	Sample Location	Sample ID	Sample Date	Sample Depth (Feet bgs) ²	Analytical Results (micrograms per gram) ³									Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Sample Excluded ⁴	Zone Assigned in Ratio Analysis ⁵
					Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Zinc				
BC_Soil_Data_EIM	CD1906-14EB3	BC-041207-14E-B3	4/12/07	4	--	<5.03	<11.5	13.7	21.4	19.87	1,320	<0.0957	--	-120.4905909	46.56723603	0	Settling Pond
BC_Soil_Data_EIM	CD1906-14EC2	BC-041207-14E-C2	4/12/07	4	--	<4.62	15.7	14.2	31.63	48.2	578	<0.102	--	-120.4907785	46.56704312	0	Settling Pond
BC_Soil_Data_EIM	CD1906-14ED4	BC-041207-14E-D4	4/12/07	4	--	4.89	<11.5	73	19.4	26.7	705	7.49	--	-120.4905616	46.56717153	0	Settling Pond
BC_Soil_Data_EIM	CD1906-14WB3	BC-041307-14W-B3	4/13/07	4	--	4.02	6.21	17.9	18.7	23.7	1,170	<3.7	--	-120.4909313	46.56715819	0	Settling Pond
BC_Soil_Data_EIM	CD1906-14WC4	BC-041307-14W-C4	4/13/07	4	--	<3.7	<5.21	15.6	16.9	133	788	<0.114	--	-120.4909269	46.5670047	0	BC Operations Area

NOTES:

-- denotes sample not analyzed.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

B denotes blank contamination.

L denotes a negative instrument reading with an absolute value exceeding the reporting limit.

J denotes the associated value is an estimated quantity.

<J denotes the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

¹Data transcribed from the following sources:

Bay_Chem_RI = Table 6, *Bay Chemical Site RI Soil Data Used for Analysis*, provided in the *Former Bay Chemical Site Remedial Investigation Report, Volume 1* dated March 1997, prepared by ERC/Pacific Groundwater Group.

ECY_EPI_Sampling = Results of soil sampling conducted by the Washington State Department of Ecology and Environmental Partners Inc of Issaquah, Washington in 2007.

Farallon_Sup_RI = Results of soil sampling conducted by Farallon in 2011.

BC_Soil_Data_EIM = Sampling results provided in *Completion and Compliance Monitoring Report, Bay Chemical Site, Yakima, Washington* dated November 17, 2009, prepared by Farallon.

YSF_Soil_Data_EIM = Sampling results provided in *Completion and Compliance Monitoring Report, Bay Chemical Site, Yakima, Washington* dated November 17, 2009, prepared by Farallon.

²Depth in feet below ground surface (bgs).

³Analyzed by U.S. Environmental Protection Agency Methods 6000/6010/7000 Series.

⁴Excluded samples include those located within the remediation footprint collected after September 1, 2007.

⁵Zones are used to group points plotted in ratio analysis shown in Figures 6 and 7.

ATTACHMENT E
TERRESTRIAL ECOLOGICAL EVALUATION FORM

CONCEPTUAL SITE MODEL TECHNICAL MEMORANDUM
Agri-Tech and Yakima Steel Fabricators Site
Yakima Steel Fabricators
Yakima, Washington
Farallon PN: 765-001



Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Agri-Tech/Yakima Steel Fabricators

Facility/Site Address: 6 and 10 1/2 East Washington Avenue, Yakima, Washington

Facility/Site No: 479

VCP Project No.:

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Eric Buer

Title: Associate Geologist

Organization: Farallon Consulting, LLC

Mailing address: 1809 7th Avenue

City: Seattle

State: WA

Zip code: 98101

Phone: (424)394-4418

Fax: (425)295-0850

E-mail: ebuer@farallonconsulting.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

- Yes *If you answered "YES," then answer **Question 2**.*
- No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? Check all that apply. Then skip to **Step 4** of this form.

Point of Compliance: WAC 173-340-7491(1)(a)

- All soil contamination is, or will be,* at least 15 feet below the surface.
- All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

- All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

- There is less than 0.25 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.
- For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

- Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

± "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- Yes *If you answered "YES," then answer **Question 2** below.*
- No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

- Yes *If you answered "YES," then answer **Question 3** below.*
- No *If you answered "NO," then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

- Yes *If you answered "YES," then answer **Question 4** below.*
- No *If you answered "NO," then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

- Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*
- Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to **Step 4** of this form.

Exposure Analysis: WAC 173-340-7492(2)(a)

- Area of soil contamination at the Site is not more than 350 square feet.
- Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).

1. Was there a problem? See WAC 173-340-7493(2).

- Yes *If you answered “YES,” then answer **Question 2** below.*
- No *If you answered “NO,” then identify the reason here and then skip to **Question 5** below:*
- No issues were identified during the problem formulation step.
 - While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? See WAC 173-340-7493(3).

- Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?

Check all that apply. See WAC 173-340-7493(3).

- Literature surveys.
- Soil bioassays.
- Wildlife exposure model.
- Biomarkers.
- Site-specific field studies.
- Weight of evidence.
- Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- Confirmed there was no problem.
- Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology’s approval of both your problem formulation and problem resolution steps?

- Yes If so, please identify the Ecology staff who approved those steps:
- No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.

<p>Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452</p>	<p>Central Region: Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009</p>
<p>Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775</p>	<p>Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295</p>

