ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

(2)

ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

May 21, 2013

Ms. Ann Marie Holland Tiers Estate of Jack Holland 1498 Hamrick Lane Hayward, CA 94544 Ms. Barbara Holland P.O. Box 5 Kentfield, CA 94914

Ms. Eileen Dalton (Sent via E-mail to: eileen,dalton@acgov.org)
Alameda County Redevelopment Agency
224 West Winton Avenue
Hayward, CA 94544

Subject: Case Closure for Fuel Leak Case No. RO0003078 and GeoTracker Global ID T10000003245, Ashland Youth Center, 16335 East 14th Street, San Leandro, CA 94580

Dear Ms. Tiers, Ms. Holland, and Ms. Dalton:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.swrcb.ca.gov) and the Alameda County Environmental Health website (http://geotracker.swrcb.ca.gov)

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Total Petroleum Hydrocarbons as diesel remains in soil at concentrations up to 17,000 ppm at a depth of approximately 8 feet below ground surface in the northwestern corner of the site.
- Benzene remains in soil at concentrations up to 0.65 ppm at a depth of approximately 8 feet below ground surface in the northwestern corner of the site.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.

Division Chief

Enclosures:

- 1. Remedial Action Completion Certification
- 2. Case Closure Summary

CC:

Jaimie Orfanos
Alameda County Redevelopment Agency
224 West Winton Avenue
Hayward, CA 94544
(Sent via E-mail to: jaimie.orfanos@acgov.org)

Judy Reid
State Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2120
(Sent via E-mail to: JREID@waterboards.ca.gov)

Lane Bailey
Alameda County Redevelopment Agency
224 West Winton Avenue
Hayward, CA 94544
(Sent via E-mail to: lane.bailey@acgov.org)

Closure Unit
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120
(uploaded to GeoTracker)

Charles Miller
Alameda County GSA
1401 Lakeside Drive, Suite 800
Oakland, CA 94612
(Sent via E-mail to: charles.miller@acgov.org)

Alex Briscoe
Alameda County Health Care Services Agency
1000 San Leandro Blvd., Ste. 300
San Leandro, CA 94577
(Sent via E-mail to: alex.briscoe@acgov.org)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker (w/enc) eFile (w/orig enc)

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

ALEX BRISCOE, Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

May 21, 2013

Ms. Ann Marie Holland Tiers Estate of Jack Holland 1498 Hamrick Lane Hayward, CA 94544 Ms. Barbara Holland P.O. Box 5 Kentfield, CA 94914

Ms. Eileen Dalton (Sent via E-mail to: eileen, dalton@acgov.org)
Alameda County Redevelopment Agency
224 West Winton Avenue
Hayward, CA 94544

Subject: Case Closure for Fuel Leak Case No. RO0003078 and GeoTracker Global ID T10000003245, Ashland Youth Center, 16335 East 14th Street, San Leandro, CA 94580

Dear Ms. Tiers, Ms. Holland, and Ms. Dalton:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or

Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is
required for closure that will result in the submission of claims beyond that time period, or that under the
circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi Director

CASE CLOSURE SUMMARY LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: March 6, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Ashland Youth Center Site Facility Address: 16335 East 14th Street, San Leandro, CA 94580 RB Case No.: 01-0771 Local Case No.: StiD#2423 LOP Case No.: RO0003078 URF Filing Date: 10/31/1990 Geotracker ID: T10000003245 APN: 80C-479-6-20 Responsible Parties Addresses **Phone Numbers** Eileen Dalton, Alameda County 224 West Winton Avenue, Hayward, CA 510-670-6509 Redevelopment Agency 94544 Estate of John Holland Sr., Ann 1498 Hamrick Lane, Hayward, CA 94544 510-537-3477 Marie Holland Tiers, Executor Barbara Holland P.O. Box 172, Kentfield, CA 94914 No phone number

Tank I.D. No	Tank I.D. No Size in Gallons		Size in Gallons Contents		Closed in Place/Removed?	Date
M PATA.			Tanks were located on adjacent parcel			
	Piping	ALM LA				

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: The releases we adjacent parcel.	ere from underground and abo	veground storage tanks located on the
Site characterization complete? Yes	Date Approved By Oversigh	t Agency:
Monitoring wells installed? Yes	Number: 2*	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 6. feet bgs	75 Lowest Depth: 8.97 feet bgs	Flow Direction: Northwest
Most Sensitive Current Use: Potential drinking	g water source.	

Summary of Production Wells in Vicinity: The nearest water supply well is an irrigation well located approximately 500 feet northeast of the site. A second irrigation well and a domestic well are located approximately 1,600 feet and 1,000 feet, respectively, southwest of the site. Based on the distance from the site, limited extent of the dissolved phase plume, and cross gradient locations, the water supply wells are not expected to be receptors for the site.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Lorenzo Creek is approximately 3,200 feet south of the site.
Off-Site Beneficial Use Impacts (Addresses/L	Locations): None
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

	TREATMENT	AND DISPOSAL OF AFFECTED MATERIAL						
Material	Amount (Include Units)	mount (Include Units)						
Tanks		The tanks were located on the adjacent Holland Park parcel						
Piping			<u> </u>					
Free Product			No. of Section 1					
Soil	4,352 tons	Soils were transported to Vasco Road Landfill in Livermore, CA for disposal.	09/22/2009 and 09/23/2009					
COII	580 cubic yards	Soils were transported to West Winton Landfill in Hayward, CA for disposal.	01/13/2011 through 01/26/2011					
Groundwater								

^{*} A total of 12 monitoring wells were installed to investigate the extent of contamination on the Holland Park site (Parcel 80C-479-6-21 and ACEH case RO0212) and Ashland Youth Center site (Parcel 80C-479-6-20 and ACEH case RO0003078). Two (MW-3 and MW-9) of the 12 monitoring wells were located on the Ashland Youth Center site.

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP (Please see Attachments 1 through 6

for additional information on contaminant locations and concentrations)

Contaminant	Soil	(ppm)	Water (ppb)				
Contamilant	Before	After	Before	After			
TPH (Gas)	5,700	5	<50	<50			
TPH (Diesel)	17,000	17,000	4,700	<50			
TPH (Motor Oil)	25,000	25,000	Not Analyzed	Not Analyzed			
Benzene	0.65	0.65	<1	<1			
Toluene	<0.005	<0.005	<1	<1			
Ethylbenzene	<0.005	<0.005	<1	<1			
Xylenes	<0.005	<0.005	<1	<1			
Lead	2,000(1)	11(2)	Not Analyzed	Not Analyzed			
MTBE	<0.34(3)	<0.005(4)	<0.5(5)	<0.5(5)			
Other (8240/8270)	15(6)	<0.9(7)	<0.5(8)	<0.5(8)			

(1) Lead = 2,000 ppm; Cadmium 7.2 ppm; Chromium = 160 ppm; Nickel = 130 ppm; and Zinc = 11,000 ppm. (2) Lead = 11 ppm; Cadmium =0.33 ppm; Chromium = 47 ppm; Nickel = 53 ppm; and Zinc = 57 ppm. (3) MTBE = 0.34 ppm; TBA, TAME, ETBE, DIPE, EDB, and EDC <0.005 ppm. (4) MTBE, TBA, TAME, ETBE, DIPE, EDB, and EDC <0.005 ppm.

(5) MTBE <0.5 ppb, TBA, TAME, ETBE, and DIPE not analyzed, EDB and EDC <0.5 ppb.

(6) Napthalene = 15 ppm; Benzo(a)anthracene = 0.72 ppm; benzo(a)pyrene = 0.52 ppm; 1,4-Dichlorobenzene = 0.024 ppm; PCBs (Aroclor 1254) = 0.1 ppm; PCBs (Aroclor 1260) = 0.19 ppm; DDT = 0.064 ppm; other VOCs, organochlorine pesticides, polyaromatic hydrocarbons, and PCBs not detected at various reporting limits.

(7) Napthalene <0.9 ppm; Benzo(a)anthracene, benzo(a)pyrene, and 1,4-Dichlorobenzene <0.005 ppm; PCBs (Aroclor 1254 and Aroclor 1260 <-.012 ppm; DDT = 0.002 ppm; other VOCs, organochlorine pesticides, polyaromatic hydrocarbons, and PCBs not detected at various reporting limits.

(8) VOCs <0.5 ppb and polyaromatic hydrocarbons <0.2 ppb.

Site History and Description of Corrective Actions:

This case closure for fuel leak case RO0003078 (GeoTracker Global ID T10000003245) applies to Parcel 80C-479-6-20, which is the site of the Ashland Youth Center. This site was previously included within a fuel leak case (RO0000212 and GeoTracker Global ID T0600100709) that included Holland Park, a recreational facility owned and operated by the Hayward Area Recreation & Park District (HARD). Holland Park borders the site to the southwest and northeast. East 14th Street borders the site to the northeast and residential and commercial properties are southeast of the site.

Up until approximately 2007, the site was an auto sales lot that was bordered to the northwest by the Holland Oil bulk fuel storage and distribution facility. The bulk storage facility, which operated from the 1960's to the mid 1980's. consisted of aboveground storage tanks (ASTs) and eight underground storage tanks (USTs), three of which contained gasoline, two contained diesel, two contained kerosene, and one contained stoddard solvent. In 1998, the USTs were removed and the excavated overburden soil was placed back in the UST excavations. The bulk fuel storage and distribution business, including all of the ASTs and USTs, was primarily located on parcel 80C-479-6-21, which is currently the site of Holland Park. However, a portion of the bulk fuel storage and distribution facility extended into the northwestern and southwestern portions of Parcel 80C-479-6-20. Therefore, both current parcels were considered part of one fuel leak case until August 2011. In 2008, the properties were purchased by HARD and the Alameda County Redevelopment Agency and the property parcel boundaries were modified. On August 24, 2011, HARD requested that Parcel 80C-479-6-21, which is currently Holland Park, be considered under a separate fuel leak case in order to move the case towards closure more guickly. At that time, remedial actions, which included excavation and construction of a cap had been completed at Holland Park but remedial actions had not been completed for the Ashland Youth Center site. Therefore, ACEH opened a separate fuel leak case for Parcel 80C-479-6-20 on August 31, 2011. The fuel leak case for the Holland Park site (RO0000212 and GeoTracker Global ID T0600100709) closed on January 5, 2012. Readers are referred to the RO0000212 case file for detailed information regarding the site history, site investigation, and remediation of the Holland Park site. The remainder of this Site History will only describe activities that occurred within Parcel 80C-479-6-20, which is the site of the Ashland Youth Center.

The on-Site area located along East 14th Street and outside the Holland Oil facility area reportedly was used primarily for vehicle sales up until approximately 2007. The Alameda County Redevelopment Agency purchased the Ashland Youth Center site in May 2008. Two additional parcels (Parcels 80C-479-6-8 and 80C-479-6-9) were purchased in February 2011 and became part of the Ashland Youth Center site. Former uses of the two additional parcels to the south included a retail store, Moose lodge, a bar, a blacksmith, and an automobile window tinting shop.

As part of an investigation conducted largely within the Holland Park parcel, two soil borings (B-2 and B-7) were advanced within the Ashland Youth Center site in July 2007. Total petroleum hydrocarbons as diesel (TPHd) were detected in soil samples from the borings at concentrations up to 15,000 ppm. Five soil borings (B-9 through B-12 and pilot boring MW-9) were advanced in September and October 2008 in a follow-up investigation in the area of borings B-2 and B-7. TPHd and TPH as gasoline (TPHg) were detected at maximum concentrations of 2,300 and 80 ppm, respectively in soil samples from the five soil borings and MW-9.

In October 2008, soil vapor samples were collected from six locations (SVP-1 through SVP-6) within Parcel 80C-479-6-20, where construction of the Ashland Youth Center was planned. Benzene was detected in one of six soil vapor samples at a concentration of 2 micrograms per cubic meter (µg/m³). Benzene was not detected at concentrations above reporting limits in the remaining soil vapor samples. The concentrations of all constituents of concern were below Environmental Screening Levels (ESLs) screening criteria for potential vapor intrusion to indoor air under a residential land use scenario.

In September 2009, a remedial excavation was conducted on the Holland Park site and extended approximately 40 feet into the southwestern portion of the Ashland Youth Center site. Within two excavation cells that were approximately 35 feet by 35 feet (B1 and B2) and included borings B-2 and B-7, soils were excavated to a depth of approximately 6 feet bgs. Approximately 200 cubic yards of soil was removed from each excavation cell and transported to Vasco Road Landfill in Livermore, CA for disposal. Four confirmation soil samples and one bottom soil sample were collected from each excavation cell and analyzed for TPHd and TPHg. TPHd was detected in each of the five confirmation soil samples from cell B2 at concentrations ranging from 3.7 to 51 ppm. TPHg was detected in one of the five confirmation soil samples from cell B1 at a concentration of 1.3 ppm. TPHd was detected in two of the four sidewall confirmation soil samples from cell B2 at concentrations ranging from 1.4 to 30 ppm. TPHd was detected in the excavation base

confirmation soil sample from cell B2 at a concentration of 210 ppm. A second excavation base confirmation soil sample collected from cell B2 contained TPHd at a concentration of 9.1 ppm. TPHg was detected in one of the five confirmation soil samples from cell B2 at a concentration of 1.3 ppm. Fill materials used to backfill the excavation cells were provided from other on-site areas of the Holland Park site.

Outside excavation cells B1 and B2, the remedial excavation removed soil to a depth of one foot over an area (Area C) that extended approximately 40 feet into the southwestern portion of the Ashland Youth Center site. No confirmation soil samples were collected from Area C. The exposed surfaces within Area C were covered by hard surfaces such as asphalt or concrete or a minimum of one foot of clean fill or landscaped materials.

Grading activities for the construction of the youth center began on-Site on August 16, 2011. The deeper (6 feet deep) excavations previously backfilled (excavation cells B1 and B2) were initially over-excavated and the material stockpiled on-site. The remainder of the Site was to be over-excavated to a depth of approximately 3 feet for re-compaction as engineered fill. During this initial excavation process, soil with significant petroleum odors was encountered. Soil excavation was halted and approximately 1,500 cubic yards of soil was stockpiled on site.

On August 30, 2011, twenty-one exploratory test pits were excavated to a depth of approximately 5 feet below original ground surface. A total of 67 soil samples were collected from the test pits. TPHd and TPH as motor oil (TPHmo) were detected in the soil samples at concentrations up to 2,700 and 4,900 ppm, respectively. The concentrations of TPH generally decreased with depth. Lead was detected at concentrations above the residential/unrestricted land use screening level of 80 ppm in 7 of 67 soil samples. The maximum concentration of lead detected was 1,700 ppm at a depth of 2-2.5 feet. PCBs were detected at concentrations above the residential/unrestricted screening level of 0.089 ppm in 2 of 67 soil samples at concentrations of 0.19 to 0.22 ppm. Polycyclic aromatic hydrocarbons (PAHs) were detected at concentrations above the residential/unrestricted screening level of 0.089 ppm in 2 of 69 soil samples from test pits TP-7 and TP-8. The PAHs in TP-7 were detected in a black sand layer and may have been related to a blacksmith shop within the building that formerly occupied the area near TP-7.

Based on the results of the exploratory test pits, the entire site was excavated to a minimum depth of approximately 3 feet in November 2011. No confirmation soil samples were collected from the areas of the site excavated to a depth of 3 feet because the test pit data were used to define the required depth of excavation. Within the northwest portion of the site, including the areas of test pits TP-14 and TP-18, soil was excavated to a depth of 6 to 8 feet below original ground surface. Verification soil samples were collected from the base of the excavation in the northwest portion of the site. Based on analytical results from soil samples collected at 6 feet, the excavation in the northwest portion of the site was extended to a depth of 8 feet. Five verification soil samples were collected at the base of the excavation from a depth of 8 feet. TPHd was detected in 5 of 5 soil samples at concentrations ranging from 550 to 17,000 ppm. TPHmo was detected in 5 of 5 soil samples at a concentration of 0.65 ppm. Due to the location of the samples near the property boundary and the presence of ground water at the base of the excavation, this soil was left in place. Based on the detection of benzene at sample location VS-5, ACEH required a soil vapor investigation to be conducted in the northwest portion of the Site.

Two underground vaults were discovered during the excavation and removal of the upper 3 feet of fill material across the site. Both vaults were excavated and removed in December 2011. Vault 1 was concrete and was approximately 6 feet wide by feet long by 6 feet deep. Based on the presence of clay pipe extending approximately 20 feet from Vault 1 to the southeast, the vault appeared to have been a septic tank. One soil sample collected at the base of the Vault 1 excavation did not contain TPHg, BTEX, or fuel oxygenates at concentrations above reporting limits. TPHd was detected at a concentration of 1.6 ppm.

Vault 2 was also constructed of concrete and was approximately 4 feet wide by 12 feet in length and 4 feet deep. Petroleum odors were observed during removal of Vault 2, which was considered an underground storage tank for permitting of the removal. The base and sidewalls of the Vault 2 excavation were extended to remove obvious staining and odor. With the exception of the final confirmation soil sample from the east sidewall, the concentrations of all analytes were below ESLs for residential land use. The concentration of TPHd in the east sidewall sample was 130 ppm, which slightly exceeded the ESL cleanup goal of 110 ppm. BTEX and fuel oxygenates were not detected at concentrations above reporting limits in the east sidewall sample. Based on the fact that the final concentration was close to the cleanup goal, the depth of the sample, and the absence of volatile compounds, further removal was not required.

In order to investigate soil vapor and the potential for vapor intrusion to indoor air, three soil vapor probes (SV-1, SV-2 and SV-3) were installed in the northwest corner of the Site on March 26 and 27, 2012. The probes were initially sampled on April 6, 2012; however, probe SV-2 could not be sampled due to water in the tubing. TPHg, benzene and TCE were not detected in soil vapor sample SV-1. TPHg was detected in soil vapor sample SV-3 at a concentration of 1,200,000 µg/m³. Benzene was detected in soil vapor sample SV-3 at a concentration of 200 µg/m³. In addition, trichloroethene (TCE) was detected in soil vapor sample SV-3 at an estimated concentration of 340 µg/m³.

The soil vapor probes were subsequently sampled in May, June, and July 2012 to confirm the initial sampling results. During the subsequent three sampling events, TPHg was detected in soil vapor samples from probe SV-3 at concentrations ranging from 1,100,000 to 1,600,000 μ g/m³. TPHg was detected in one of three soil vapor samples from probe SV-1 at a concentration of 290 μ g/m³ and was detected in two of three soil vapor samples from probe SV-2 at a maximum concentration of 2,700 μ g/m³. Benzene was detected in three of nine soil vapor samples from probes SV-1, SV-2, and SV-3 at a maximum concentration of 6.3 μ g/m³ during the May, June, and July 2012 sampling events.

The Ashland Youth Center was constructed with a soil vapor membrane beneath the floor of the building. In addition, perforated pipe was installed beneath the membrane in an approximate 4- to 6-inch thick gravel bed. The perforated pipes are connected to 4-inch case iron ventilation risers that vent above the roof of the building. The sub-slab depressurization and vapor barrier system are designed to act as a passive system but could be converted to an active ventilation system if necessary.

In order to evaluate TPH and VOC concentrations beneath the concrete slab and vapor barrier system, sub-slab vapor samples were collected by sampling through the ventilation risers. During the July 2012 sampling event, TPHg was detected in five of five sub-slab vapor samples at concentrations ranging from 840 to 3,300 μ g/m³. All detected concentrations are below the ESL for residential land use of 10,000 μ g/m³. Benzene was not detected in the sub-slab vapor samples at concentrations above the reporting limit. Oxygen was detected in the five sub-slab vapor samples at concentrations between 20 and 21 percent. Sub-slab vapor samples were again collected through the five ventilation risers in on September 18, 2012. During the September 2012 sampling event, TPHg was detected in five of five sub-slab vapor samples at concentrations ranging from 2,200 to 7,200 μ g/m³, which are below the ESL for residential land use of 10,000 μ g/m³. Benzene was not detected in the sub-slab vapor samples at concentrations above the reporting limit. Based on these results, active operation of the sub-slab depressurization system does not appear to be necessary.

The site meets the general and media-specific criteria for case closure contained in the State Water Resources Control Board Low-Threat Closure Policy (LTCP). As defined in the LTCP, cases that meet the general and media-specific criteria pose a low threat to human health, safety, and the environment and satisfy the case closure requirements of Health and Safety Code section 25296.10. Based on meeting all criteria in the LTCP, this case is closed without restrictions on future land use. However, it should be noted that a Covenant and Environmental Restriction on Property and Site Management Plan have been put in place on the adjacent Holland Park site due to residual contamination remaining in place beneath a cap. Any subsurface activities that may continue from the Ashland Youth Center site to the Holland Park site that potentially could disturb the cap should consider the Covenant and Environmental Restriction on Property and Site Management Plan for the Holland Park site.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? ? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary.

Should corrective action be reviewed if land use changes? No

Was a deed restriction or deed notification filed	? No	Date Recorded:
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 2	Number Retained: 0

List Enforcement Actions Taken: None

List Enforcement Actions Rescinded: --

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

The site meets the general criteria for case closure under the LTCP.

The site meets the groundwater media-specific criteria for closure under the LTCP based on the following:

- 1. The plume is stable or decreasing in size.
- 2. The plume is less than 100 feet in length.
- 3. There is no free product.
- 4. Benzene and MTBE were not detected at concentrations above reporting limits in groundwater beneath the site.
- 5. No water supply wells or surface water bodies are within 250 feet of the plume boundary.

The site meets the numerical media-specific criteria in the LTCP for petroleum vapor intrusion to indoor air for the following reasons:

- The site has a continuous zone that provides a separation of at least 5 feet vertically between the dissolved phase and the foundation of existing buildings and the soil. Therefore, the site is considered to have a bioattenuation zone under the LTCP.
- 2. TPH appears to be less than 100 ppm within the upper five feet of soil.
- 3. The maximum concentration of benzene detected in soil vapor is 200 µg/m³, which is significantly less than the residential and commercial LTCP soil gas criteria of 85,000 and 280,000 µg/m³ (with a bioattenuation zone).
- 4. Ethylbenzene was not detected in soil vapor at concentrations above a reporting limit of 3.4 µg/m³.
- Napthalene not detected in soil vapor at concentrations above a reporting limit of 16 μg/m³.
- 6. The maximum concentration of benzene in groundwater during the most recent groundwater monitoring event was 81 ppb.

The maximum concentrations of benzene, ethylbenzene, and ethylbenzene in soil samples collected to date within the upper 10 feet are less than the media-specific criteria in Table 1 of the LTCP for direct contact and outdoor air exposure. Therefore, the site meets the media-specific criteria for direct contact and outdoor air exposure under the LTCP.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: Wichston	Date: 05/21/13
Approved by Donna L. Drogos, P.E.	Title: Division Chief
Signature: Land Leave	Date: 05/21/13

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 64/24/13	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: NA	Date of Well Decommissioning R	eport: NA
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 2	Number Retained: 0
Reason Wells Retained: NA	1	
Additional requirements for submittal of ground	water data from retained wells: None	W
ACEH Concurrence - Signature:	maldia W	Date: 05/21/13

Attachments:

1. Site Vicinity Map and Aerial Photographs (3 pp)

2. 2009 Excavation and Confirmation Sample Map and Groundwater Contour Map (2 pp)

3. Test Pit Location Map, Excavation Map, Soil Vapor Sample and Vent Riser Location Map (3 pp)

4. Soil Analytical Data (18 pp)

5. Soil Vapor Analytical Data (4 pp)

6. Groundwater Analytical Data (7 pp)

7. Boring Logs (9 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

Wickham, Jerry, Env. Health

From:

Sent:

Wickham, Jerry, Env. Health Wednesday, April 24, 2013 2:58 PM

To:

Cherie MCcaulou

Subject:

Pending case closure for 16335 E 14th Street, San Leandro, CA

Hi Cherie,

This email provides notification of pending closure for ACEH case RO3078, 16335 E 14th Street, San Leandro, CA.

Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577 phone: 510-567-6791 jerry.wickham@acgov.org

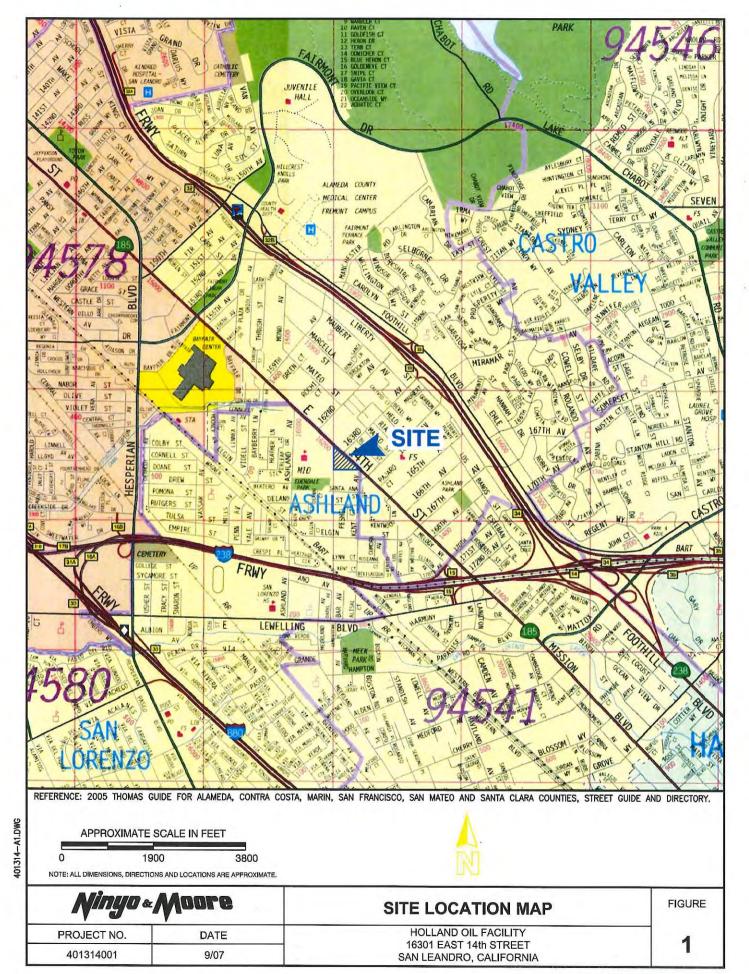




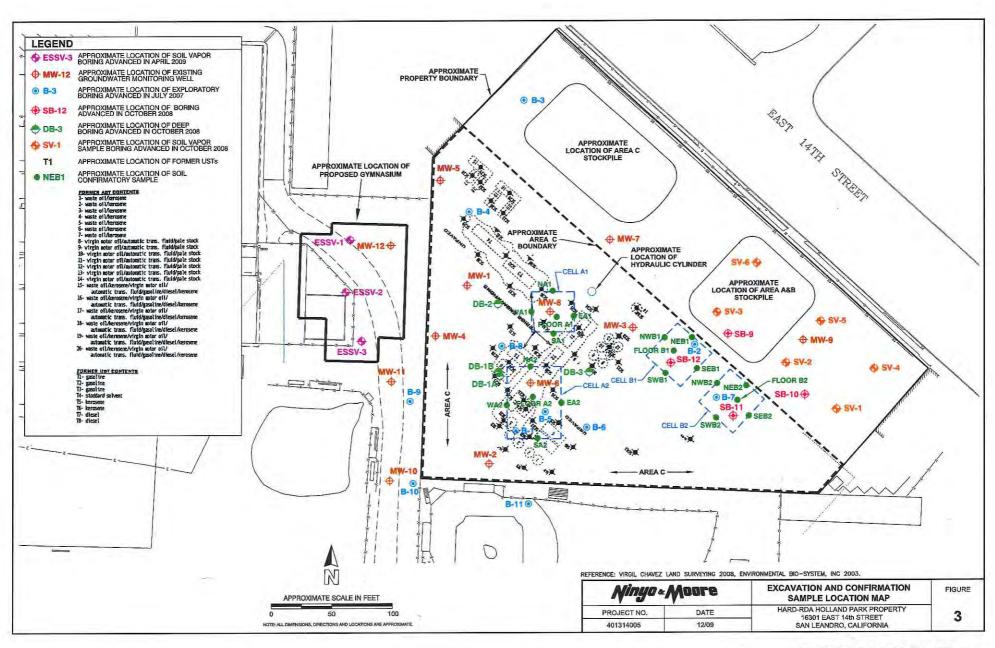


Figure 4: Aerial View of Project Property and Vicinity

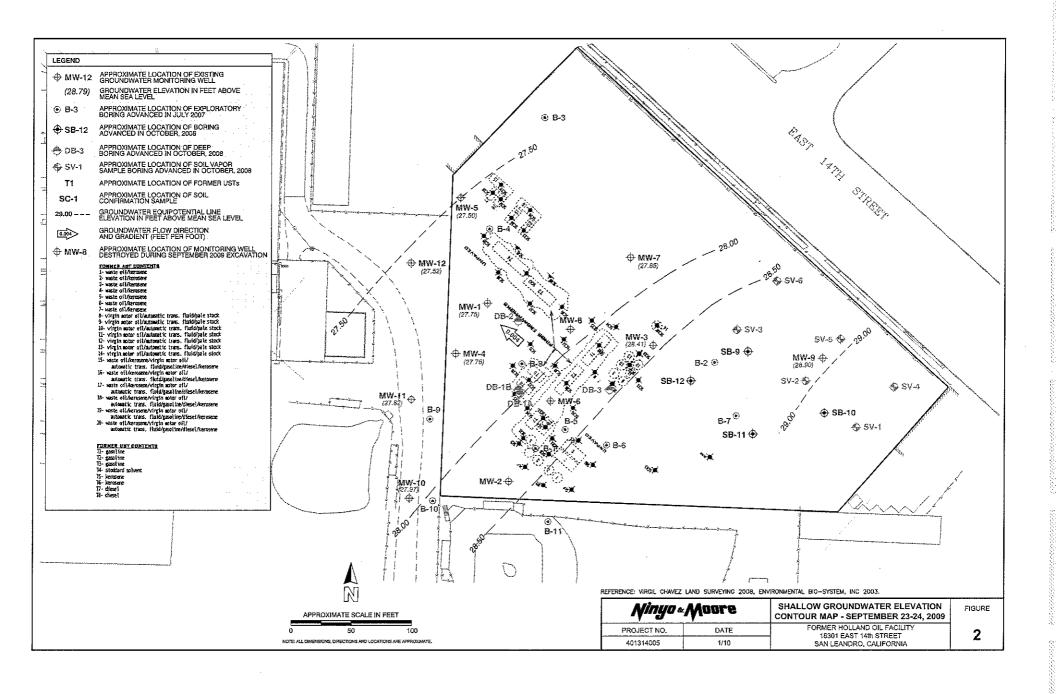
HARD Park Property Corrective Action Plan

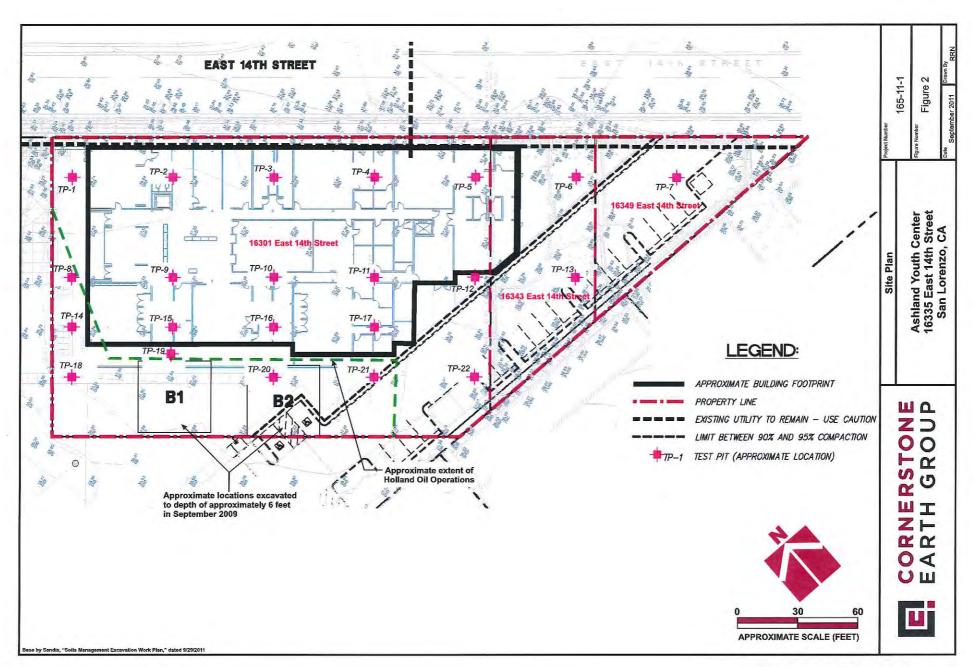
March 6, 2009

amicus - STRATEGIC ENVIRONMENTAL CONSULTING

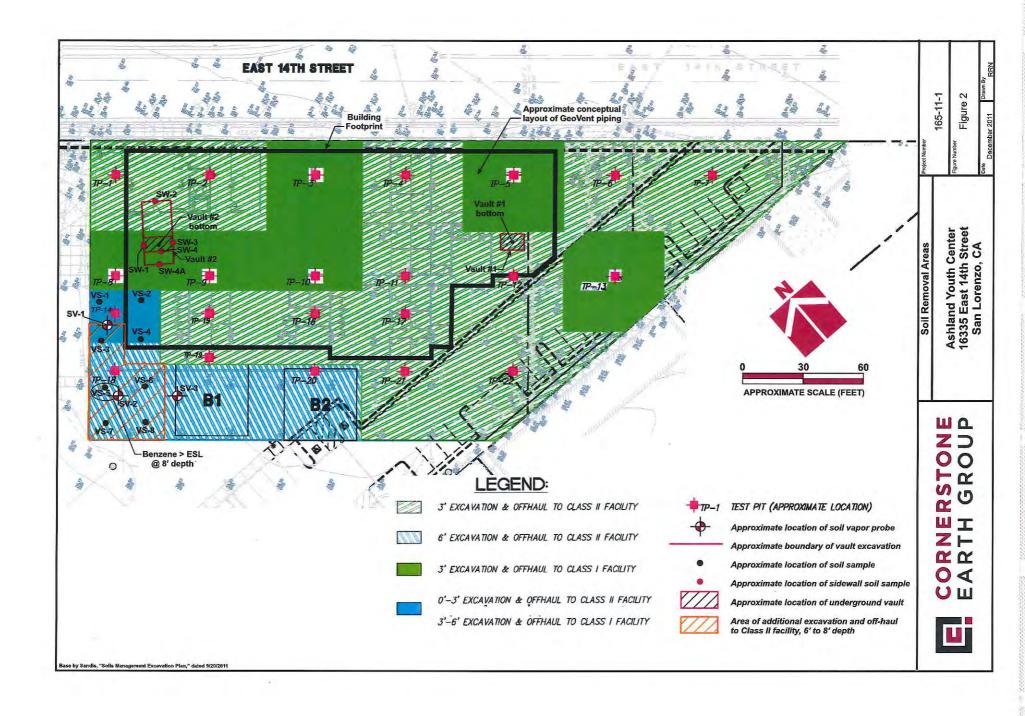


ATTACHMENT 2





ATTACHMENT 3



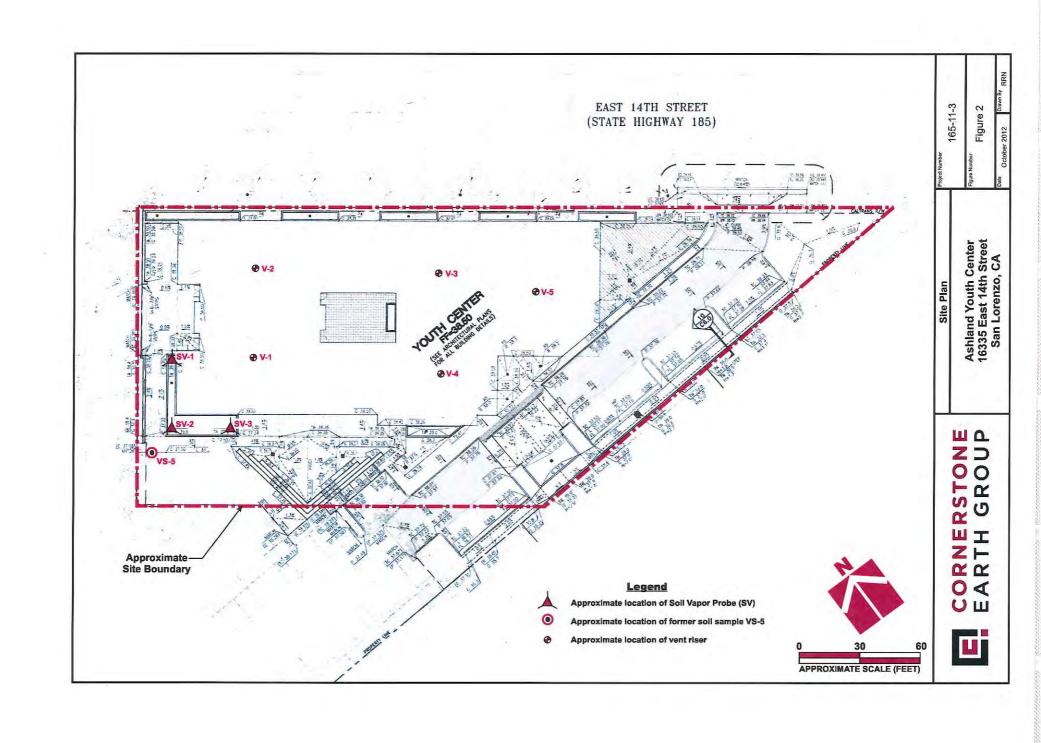


Table 1. Analytical Results of Selected Soil Samples - Petroleum Hydrocarbons and VOCs

TP-1 (3 - 3 1/2) TP-2 (1 - 1 1/2) TP-2 (2 - 2 1/2) TP-2 (3 - 3 1/2) TP-2 (4 1/2 - 5) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 2 1/2) TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) TP-4 (2 - 2 1/2) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (3 - 3 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1)	1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5	1/2 - 1 2 - 2 1/2 3 - 3 1/2 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 1/2 3 - 3 1/2 4 1/2 - 1	<0.21 <0.24 <0.19 <1.1 <0.18 <0.16b <0.17 <0.19 <0.18 <0.17 <0.19 <0.18b <0.17 <0.17 <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.10 <0.17 <0.18b <0.10 <0.17 <0.19b <0.23b <0.20b <0.19 <0.19	110Y 1.2Y <1.0 <0.99 2.1Y <0.99 <1.10 11Y 14Y <1.0 <1.0 2.4Y <1.0 28Y 4.7Y <1.0 <1.0 28Y 4.7Y <1.0 <1.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0 2	290 8.1 <5.0 <5.0 8.2 <5.0 99 88 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 <5.0 8.1 8.5 <5.0 <4.0 4 400 7.4 200 24	<.0.018 .0.048 .0.0430 .0.017b <0.0177 <0.017b <0.017b <0.017b <0.015b	<0.0087 <0.0084 <0.0084b <0.0084b <0.0087 <0.0077 <0.0077 <-0.0081 <0.0089 <0.0093 <0.0090 <0.0094 <0.0094 <0.0081 <0.0081 <0.0081 <0.0094 <0.0094 <0.0098 <0.0098 <0.0081 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088	<0.0092 <0.0092 <0.0084b <0.0084b <0.00884 <0.0088- <0.0088- <0.0086b <0.0011 <0.0077 <0.0077b <0.0081b <0.0081b <0.0083 <0.0090 <0.0087b <0.0097 <0.0097 <0.0087b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0094 <0.00981 <0.0094 <0.00981 <0.0094 <0.00981 <0.0094 <0.00981 <0.0094 <0.00981 <0.0094 <0.00981	<0.005 <0.0056 <0.0037b <0.0046 <0.0046 <0.0042b <0.0042b <0.0042b <0.0043 <0.0042 <0.0043 <0.0038 <0.0038 <0.0038 <0.0038 <0.0046 <0.0046 <0.0047 <0.0047 <0.0047 <0.0040 <0.0044 <0.0040 <0.0044 <0.0045 <0.0047 <0.0047 <0.0040 <0.0044 <0.0041 <0.0044 <0.0041 <0.0058 <0.0041 <0.0044 <0.0041 <0.0044 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041	<0.005 <0.0056 <0.0037b <0.0046 <0.0042b <0.0042b <0.0042b <0.0042b <0.0043 <0.0038 <0.0038 <0.0038 <0.0038 <0.0046 <0.0044 <0.0044 <0.0044 <0.0045 <0.0045 <0.0045 <0.0046 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0051	<0.005 <0.0056 <0.0056 <0.0056 <0.0042 <0.0042 <0.0042 <0.0043 <0.0043 <0.0043 <0.0043 <0.0043 <0.0044 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047
TP-1 (3 - 3 1/2) TP-2 (1 - 1 1/2) TP-2 (2 - 2 1/2) TP-2 (3 - 3 1/2) TP-2 (4 1/2 - 5) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 2 1/2) TP-3 (4 1/2 - 5) TP-4 (4 1/2 - 5) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 3 - 3 1/2	3 - 3 1/2 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2	<0.19 <1.1 <0.18 <0.16b <0.17b <0.17 <0.19 <0.18b <0.17b <0.17 <0.117 <0.117 <0.117 <0.118 <0.17 <0.18b <0.20 <0.16 <0.17 <0.18 <0.17 <0.19b <0.20 <0.18 <0.19 <0.20 <0.18 <0.19 <0.20 <0.18 <0.19 <0.20 <0.19 <0.20 <0.19 <0.20b	<1.0 <0.99 2.1Y <0.99 <1.0 11Y 14Y <1.0 <1.0 2.4Y <1.0 2.4Y <1.0 <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 2.10 2.10 2.10 3.7Y 1.17 <1.0 2.10 3.7Y 1.00 3.7Y 1.7Y 23Y	<5.0 <5.0 8.2 <5.0 99 88 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 <5.0 8.1 8.5 <5.0 <5.0 44 <5.0 <5.0 45.0	<.0.015b <0.018 0.048 0.043b 0.017b <0.017 <0.017b <0.017b <0.017b <0.017b <0.017b <0.015 <0.015b <0.016 <0.018 <0.016b <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019	<0.0037b <0.0092 0.015 <0.0084b <0.0084b <0.0084b <0.0086b <0.011 <0.0077 <0.0077 <0.0077 <0.0081b <0.0081b <0.0090 <0.0087b <0.0090 <0.0087b <0.0090 <0.0087b <0.0090 <0.00883b <0.0094 <0.0094 <0.0094 <0.0094 <0.00981 <0.0082 <0.00883 <0.00883 <0.008083 <0.00883 <0.00883 <0.00883 <0.00883 <0.00883	<0.0074b <0.0092 <0.0092 <0.0084b <0.0084b <0.0084b <0.0086b <0.011 <0.0077 <0.0077 <0.0071 <0.0081 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0091 0.0112 <0.0088 <0.0088b <0.0088	<0.0037b <0.0046 <0.0046 <0.0042b <0.0042b <0.0043 <0.0042 <0.0043b <0.0053 <0.0038 <0.0038 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0049 <0.0058 <0.0058 <0.0041 <0.0041 <0.0041	<0.0037b <0.0046 <0.0042b <0.0042b <0.0042b <0.0042b <0.0043b <0.0053 <0.0053 <0.0038 <0.0040 <0.0044 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0041 <0.0041	<00561 <0.00461 <0.00421 <0.00421 <0.00421 <0.00431 <0.0053 <0.00481 <0.00441 <
TP-2 (1 - 1 1/2) TP-2 (2 - 2 1/2) TP-2 (3 - 3 1/2) TP-2 (3 - 3 1/2) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 3 1/2) TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (3 - 3 3/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 3/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-9 (1/2 - 1) TP-10 (1 - 1 1/2) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 -	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 - 1 2 - 2 1/2 1/2 - 1 2 - 2 1/2	<1.1 <0.168 <0.168 <0.177 <0.179 <0.189 <0.181 <0.177 <0.177 <0.177 <0.177 <0.177 <0.170 <0.180 <0.177 <0.198 <0.201 <0.198 <0.201 <0.201 <0.188 <0.190 <0.208 <0.188 <0.199 <0.199 <0.199 <0.200 <0.199 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.200 <0.2	<pre><0.99 2.1Y <0.99 <1.0 11Y 14Y <1.0 <1.0 2.4Y <1.0 28Y 4.7Y <1.0 <1.0 281 1.3Y <1.0 <1.0 81 1.3Y <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y</pre>	<5.0 8.2 <5.0 99 88 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 45.0 45.0 45.0 47.4 4200 400 7.4	<.0.018 .0.048 .0.0430 .0.017b <0.0177 <0.017b <0.017b <0.017b <0.015b	<0.0092 0.015 <0.0084b <0.0084b <0.0084b <0.0084b <0.0084b <0.0084b <0.0077 <0.0077 <0.0077b <0.0081b <0.0081b <0.0094 <0.0094 <0.0094 <0.0094 <0.0081b <0.0087b <0.0087b <0.0094 <0.0094 <0.0098 <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b	<0.0092 <0.0092 <0.0084b <0.0084b <0.0084b <0.0086b <0.0081b <0.0077 <0.0077c <0.0077b <0.0081b <0.0081b <0.0081b <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.00981 0.0112 <0.0088b <0.0088b <0.0088	<0.0046 <0.0045 <0.0042b <0.0042b <0.0042 <0.0042 <0.0043 <0.0043 <0.0053 <0.0038 <0.0038 <0.0044 <0.0044 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0041 <0.0041	<0.0046 <0.0046 <0.0042b <0.0042b <0.0042b <0.0042b <0.0042b <0.0043 <0.0043 <0.0038 <0.0038 <0.0038 < <0.0040 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0049 <0.0040 <0.0041 <0.0041 <0.0041	<0.0046 <0.0042 <0.0042 <0.0043 <0.0042 <0.0043 <0.0053 <0.0038 <0.0044 <0.0044 <0.0046 <0.0046 <0.0047 <0.0047 <0.0047 <0.0047 <0.0040 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044
TP-2 (2 - 2 1/2) TP-2 (3 - 3 1/2) TP-2 (4 1/2 - 5) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 3 1/2) TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (3 - 3 1/2) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-7 (3 - 3 1/2) TP-7 (2 - 2 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-9 (3 - 3 1/2) TP-9 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 5 1 - 2 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 5 1 - 1 1/2 - 5 1 - 1 1/2 - 5 1 - 2 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2	<0.18 <0.16b <0.17b <0.17 <0.19 <0.18b <0.17 <0.17 <0.18b <0.17 <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.18b <0.18 <0.19 <0.23b <0.23b <0.20 <0.18 <0.19 <0.19 <0.28 <0.19 <0.19 <0.20 <0.18 <0.19 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.	2.1Y <0.99 <1.0 11Y 14Y <1.0 <1.0 2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 281 1.3Y <1.0 <1.0 27 1.1Y <1.0 <1.0 ×1.0	8.2 <5.0 <5.0 99 88 <5.0 <7 5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 44 <5.0 <4.0 40 40 40 40 40 40 40 40 40 4	0.048 0.043b 0.017b <0.017 <0.017b <0.017b <0.015b <0.016 <0.016 < <0.016 <0.017b <0.016b <0.019 <0.017b <0.017b <0.017b <0.019 <0.017b <0.019 <0.017b <0.019 <0.017b <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.024 0.056b <0.017	0.015 <0.0084b <0.0084b <0.0084b <0.00864 <0.0086b <0.0086b <0.0011 <0.0077 <0.0077b <0.0081b <0.0081b <0.0081b <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0088b <0.0088b <0.00882 <0.0088b <0.00882	<0.0092 <0.0084b <0.0084b <0.0084b <0.0086b <0.0087c <0.0077 <0.0077b <0.0081b <0.0081b <0.0081b <0.0081b <0.0093 <0.0093 <0.0094 <0.0094 <0.0094 <0.0094 <0.00985 <0.0088b <0.0088b <0.0088b <0.0088b	<0.0046 <0.0042b <0.0042b <0.0043 <0.0042c <0.0043b <0.0043c <0.0043b <0.0038b <0.0040c <0.0044c <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0041	<0.0046 <0.0042b <0.0042b <0.0043 <0.0042c <0.0043b <0.0043c <0.0043b <0.0053 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0046 <0.0042I <0.0042I <0.0043I <0.0043I <0.0043I <0.0043I <0.0043I <0.0038 <0.0038 <0.0044 <0.0044 <0.0046 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0051
TP-2 (3 - 3 1/2) TP-2 (4 1/2 - 5) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (4 1/2 - 5) TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (1/2 - 1) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 2/2 3 - 3 1/2 4 1/2 - 5 1 - 2 - 2 1/2 3 - 3 1/2 4 2 - 2 1/2 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2	<0.16b <0.17b <0.17b <0.17b <0.18b <0.17c <0.18b <0.17c <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.18 < <0.19b <0.23b <0.20b <0.19 <0.19 <0.20c <0.18 <0.19 <0.19b <0.19 <0.19 <0.20c <0.18 <0.19b <0.19 <0.20c <0.18 <0.19b <0.19 <0.20c <0.2	<0.99 <1.0 11Y 14Y <1.0 <1.0 2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0 2	<5.0 <5.0 99 88 <5.0 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 <5.0 8.1 8.5 <5.0 <5.0 44 <5.0 <5.0 44 <5.0 <5.0 44 <5.0 <5.0 47 48 49 40 40 40 40 40 40 40 40 40 40	0.043b 0.017b <0.017 <0.017 <0.017 <0.017b <0.021 <0.015b <0.016 <0.018 <0.016b <0.019 <0.019 <0.019 <0.019 <0.019 <0.0019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.019 <0.024 0.056b <0.017 <0.020	<0.0084b <0.0084b <0.0087 <0.0084b <0.0086b <0.011 <0.0097 <0.0077b <0.0097 <0.0081b <0.0093 <0.0090 <0.0081b <0.0094 <0.0094 <0.00981 <0.00981 <0.00981 <0.00981 <0.00983 <0.00983 <0.00983 <0.00983 <0.00983 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830 <0.00830	<0.0084b <0.0084b <0.0084b <0.0084b <0.0084b <0.0086b <0.011 <0.0077b <0.0087b <0.0087b <0.0087b <0.0087b <0.0087b <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.00981 0.012 <0.0088b	<0.0042b <0.0042b <0.0042b <0.0042b <0.0042b <0.0043b <0.0053 <0.0038 <0.0038b <0.0040 <0.0044 <0.0045 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0048 <0.0058 <0.0041 <0.0041 <0.0041	<0.0042b <0.0042b <0.0042b <0.0042 <0.0042c <0.00435 <0.0053 <0.0038 <0.0038b <0.0040 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0049 <0.0049 <0.0049 <0.0049 <0.0041 <0.0041	<0042I <0.0042I <0.0043I <0.0043I <0.0053 <0.0038I <0.0053 <0.0038I <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041
TP-2 (4 1/2 - 5) TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 2 1/2) TP-3 (4 1/2 - 5) TP-4 (4/2 - 1) TP-4 (4/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1/2 3 - 3 1/2 4 1/2 - 3 1/2 - 1/2 3 - 3 1/2 4 1/2 - 3 1/2 - 1/2 3 - 3 1/2	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 - 1 2 - 2 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.17b <0.17 <0.19 <0.18b <0.177 <0.18b <0.177 <0.18b <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.18 <0.19b <0.23b <0.20 <0.18 <0.19b <0.218 <0.19 <0.20 <0.18 <0.19 <0.20 <0.18 <0.19 <0.20 <0.19 <0.20	<1.0 11Y 14Y <1.0 <1.0 2.4Y <1.0 2.8Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 99 88 <5.0 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 45.0	0.017b <0.017 <0.017 <0.017 <0.017b <0.017b <0.021 <0.015 <0.016 <0.018 <0.016b <0.019 <0.019 <0.019 <0.019 <0.019 <0.010 <0.020 0.024 0.056b <0.017 <0.020	<0.0084b <0.0087 <0.0084b <0.0084b <0.0086b <0.011 <0.0077 <0.0077 <0.0077 <0.0081 <0.0081 <0.0081 <0.0081b <0.0090 <0.0087b <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 < <0.0081 <0.0082 <0.0083 <0.0082 <0.00883 <0.0100	<0.0084b <0.0087 <0.0084 <0.0084 <0.0086b <0.011 <0.0077 <0.0077 <0.0081 <0.0089 <0.0081 <0.0081 <0.0093 <0.0094 <0.0094 <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0088	<0.0042b <0.0043 <0.0042 <0.0042b <0.0043b <0.0053 <0.0038 <0.0038 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0049 0.0058 <0.0041 <0.0041	<0.0042b <0.0043 <0.0042 <0.0042b <0.0043b <0.0053 <0.0038 <0.0038 <0.0044 <0.0040 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0049 0.019 <0.0041 <0.0041	<0042I <0.0043I <0.0043I <0.0043I <0.0053 <0.0038 <0.0038 <0.0038 <0.0044I <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0
TP-3 (1/2 - 1) TP-3 (2 - 2 1/2) TP-3 (3 - 3 1/2) TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 3/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (3 - 3 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1	1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 - 1 2 - 2 1/2 1/2 - 1 2 - 2 1/2	<0.17 <0.19 <0.18b <0.17b <0.17 <0.17 <0.17 <0.17 <0.16 <0.17 <0.18b <0.16 <0.17 <0.18b <0.19b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19 <0.28 <0.19 <0.17 <0.19b <0.21	11Y 14Y <1.0 <1.0 <1.0 2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	99 88 <5.0 <7 5.5 12 <5.0 <330 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 44.0 <5.0 45.0 <4.0 400 240 400 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	<.0.017 <0.017 <0.017b <0.017b <0.017b <0.015b 	<0.0087 <0.0084 <0.0084b <0.0084b <0.0087 <0.0077 <0.0077 <-0.0081 <0.0089 <0.0093 <0.0090 <0.0094 <0.0094 <0.0081 <0.0081 <0.0081 <0.0094 <0.0094 <0.0098 <0.0098 <0.0081 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088 <0.0088	<0.0087 <0.0084 <0.00846 <0.00846 <0.011 <0.0077 <0.0077b <0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0097b <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.00985 0.012 <0.00885 <0.00886 <0.00885 <0.00886 <0.00886	<0.0043 <0.0042 <0.0042b <0.0043b <0.0043b <0.0038 <0.0038 <0.0044 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0049 0.0058 <0.0041 <0.0041	<0.0043 <0.0042 <0.0042b <0.0043b <0.0038b <0.0038 <0.0044 <0.0044 <0.0045 <0.0046 <0.0045 <0.0047 <0.0047 <0.0047 <0.0049 <0.0049 <0.0040 <0.0040 <0.0040 <0.0041 <0.0041	<0043 <0.0042 <0.0042 <0.0043 <0.0053 <0.0038 <0.0044 <0.0044 <0.0046 <0.0047 <0.0047 <0.0047 <0.0040 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044
TP-3 (2 - 2 1/2) TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (3 - 3 1/2) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 3 1/2 - 1 1/2 - 3 1/2	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.19 <0.18b <0.17b <0.17 <0.18b <0.17 <0.18b <0.16 <0.17 <0.18b <0.19 <0.20b <0.23b <0.20b <0.18 <0.19 <0.28 <0.18 <0.19 <0.19b <0.19 <0.20b	14Y <1.0 <1.0 <1.0 2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	88 <5.0 <5.0 <7 7 5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 4,200 240 400 7.4 200	<.0.017 <0.017b <0.017b <0.0211 <0.015b 	<.0.0084 <0.0084b <0.0086b <0.0011 <0.0077 <0.0077b <0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0094 <0.0094 <0.0094 <0.0081 < <0.0081 <0.0081 <0.0094 <0.0094 <0.0081 <0.0082 <0.0088b <0.00880 <0.00880 <0.00880 <0.00880 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080 <0.00080	<0.0084 <0.0084b <0.0086b <0.0086b <0.0011 <0.0077 <0.0077b <0.0081b <0.0081b <0.0087b <0.0094 <0.0094 <0.0094 <0.0094 <0.0094 <0.00985 <0.0081b <0.0094 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00985 <0.00885 <0.00885 <0.00885 <0.00885	<0.0042 <0.0042b <0.0043b <0.0053 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b < 0.0058 <0.0041	<0.0042 <0.0042b <0.0043b <0.0053 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0041	<0.0042 <0.00431 <0.00431 <0.0038 <0.00441 <0.00441 <0.0044 <0.0044 <0.0046 <0.0047 <0.0047 <0.0047 <0.0040 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0051
TP-3 (3 - 3 1/2) TP-3 (4 1/2 - 5) 4 TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 2/2 3 - 3 1/2 4 1/2 - 5 1 - 1 2/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 2 1/2 3 - 3 1/2 4 2 - 2 1/2 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 1 2 - 2 1/2	<0.18b <0.17b <0.17b <0.17c <0.18b <0.16 <0.17 <0.18b <0.18b <0.11 <0.18b <0.19b <0.23b <0.20c <0.18 <0.19 <0.20c <0.18 <0.19 <0.29 <0.19 <0.29 <0.19 <0.19 <0.29 <0.19 <0.20c <0.19 <0.20c <0.19 <0.20c <0.2	<1.0 <1.0 <1.0 2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 21.0 21.00	<5.0 <5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 4200 240 400 7.4 200	<.0.017b <0.017b <0.017b <0.021 <0.015b <0.016 <0.018 <0.016b <0.019 <0.019 <0.019 <0.019 <0.0019 <0.019 <0.019 <0.019 <0.0100 <0.020 0.024 0.056b <0.05017 <0.020	<0.0084b <0.0086b <0.011 <0.0077 <0.0077 <0.0087 <0.0089 <0.0081b <0.0093 <0.0090 <0.0089 <0.0081b <0.0094 <0.0094 <0.0081 <0.0094 <0.0081 <0.0094 <0.0081 <0.0082 <0.0083 <0.0083 <0.0083	<0.0084b <0.0086b <0.011 <0.00077c <0.00077c <0.0081b <0.0087b <0.0087b <0.0094 <0.0094 <0.0094 <0.0094 -0.0094 <0.0094 <0.0094 <0.0098 <0.0085 <0.0098 <0.0088b <0.0088b <0.0088b <0.0088b <0.0088b	<0.0042b <0.0043b <0.0038 <0.0038b < <0.0040 <0.004b < <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0048 <0.0045 <0.0044 < 0.0058 <0.0041 <0.0041	<0.0042b <0.0043b <0.0053 <0.0038 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0044 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0041	<0.0042 <0.0043 <0.0053 <0.0038 <0.0038 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0040 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0041 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.0051 <0.
TP-3 (4 1/2 - 5) TP-4 (1/2 - 1) TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (3 - 3 1/2) TP-9 (1/2 - 1) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2)	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1/2 3 - 3 1/2	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2	<0.17b <0.17 <0.17 <0.18b <0.16 <0.17 <0.18b <0.17 <0.19b <0.23b <0.20 <0.18 <0.19 <0.20 <0.18 <0.19 <0.20 <0.19 <0.20	2.4Y <1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 7 5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 4,200 240 400 7.4 200	<.0.021 <0.015 <0.015b 	<0.011 <0.0077 <0.00776 <0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0094 <0.0094 <0.0094 <0.0081 < <0.00881 <0.0082 <0.00882 <0.00883 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083 <0.008083	<0.011 <0.0077 <0.0077b <0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0091 0.0112 <0.0088b <0.0088b <0.0088	<0.0043b <0.0053 <0.0038 <0.0038b <0.0040 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0058 <0.0041 <0.0041 <0.0041	<0.0043b <0.0053 <0.0038 <0.0038 <0.0040 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0049 0.019 <0.0041 <0.0041	<0.0043 <0.0055 <0.0038 <0.0034 <0.0044 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.004
TP-4 (2 - 2 1/2) TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.17 <0.18b 	<1.0 11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	5.5 12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 4,200 240 400 7.4	<.0.015 <0.015b 	<0.0077 <0.0077b <0.0081b <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 <0.0081 <0.0082 <0.0088 <0.0088 <0.00883 <0.0080	<0.0077 <0.0077b 	<0.0038 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.00444 <0.0041	<0.0038 <0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.00444 <0.0041	<0.0038 <0.0038 <0.0044 <0.0044 <0.0044 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0055
TP-4 (3 - 3 1/2) TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (4 1/2 - 5) TP-6 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 - 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 2/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2	<0.18b <0.16 <0.17 <0.18b <0.17 <0.18b <0.17 <0.23b <0.20 <0.18 <0.19 <0.20 <0.18 <0.19 <0.28 <0.19 <0.29 <0.19 <0.19 <0.20	11Y <1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	12 <5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 44 7.4 45.0 4200 240 400	<015b 	<0.0077b	<0.0077b	<0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0058 <0.0041 <0.00444 <0.0041	<0.0038b <0.0040 <0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0041	<0.0038 <0.0044 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 0.0093 <0.0041 0.0093 <0.0044 <0.0044 <0.0044 0.0093 <0.0044 <0.0053
TP-4 (4 1/2 - 5) TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2)	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1/2 3 - 3 1/2	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	 <0.16 <0.17 <0.18b <0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19 <0.21 <0.25 <0.19 <0.20 	<1.0 28Y 4.7Y <1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 230 44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 4.200 240 400 7.4 200	 <0.016 <0.018 <0.016b <0.019 <0.018 <0.017b <0.019 <0.019 <0.019 <0.016 <0.020 <0.024 <0.056b <0.0517 <0.020 <0.024 <0.056b <0.017 <0.020 	<pre><</pre>	 <0.0081 <0.0093 <0.0093 <0.0090 <0.0090 <0.0090 <0.0094 <0.0094 <0.0094 <0.0081 <0.0012 <0.0082 <0.0088 <0.0083 	<pre><0.0040 <0.0044 <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0047 <0.0058 <0.0041 <0.00444 <0.0041</pre>	<pre><0.0040 <0.0044 <0.0045</pre>	<pre><0.004(<0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0040 <0.0040 <0.0044 <0.0044 <0.0044 <0.0044 <0.005</pre>
TP-5 (1/2 - 1) TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (3 - 3 1/2) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2)	1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 1 1/2 - 3 1/2 -	1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.16 <0.17 <0.180 <0.19 <0.20 <0.18 <0.19 <0.28 <0.18 <0.19 <0.28 <0.19 <0.19 <0.19 <0.19	28Y 4.7Y 4.1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	230 44 <5.0 8.1 8.5 <5.0 84 7.4 <5.0 4,200 240 400 7.4 200	<.0.016 <0.018 <0.016b <0.019 <0.018 <0.017b <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 <0.0082 <0.0088 <0.00883 <0.0082	<0.0081 <0.0089 <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0088	<0.0040 <0.0044 <0.004b 	<0.0040 <0.0044 <0.004b	<0.0040 <0.0044 <0.0048 <0.0048 <0.0044 <0.0047 <0.0047 <0.0043 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0044 <0.0045
TP-5 (2 - 2 1/2) TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (4 1/2 - 5) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 1/2 - 1	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.17 <0.18b <0.17 <0.19b <0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19b <0.17 <0.29 <0.18	4.7Y <1.0 <1.0 <1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	44 <5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<.0.018 <0.016b <0.019 <0.018 <0.017b <0.019 <0.016 <0.020 0.024 0.054 0.054 0.057 <0.017 <0.020	<0.0089 <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0094 <0.0081 <0.0082 <0.0088b <0.0083 <0.010	<0.0089 <0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0088	<0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0044 <0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0044 <0.0048 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 0.0093 <0.0044 <0.0044 <0.0044 <0.0043
TP-5 (3 - 3 1/2) TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (1 - 1 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 1/2 - 1 1/2 - 1 2 - 2 1/2 3 - 3 1/2 3 - 3 1/2 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.18b <0.17 <0.19b <0.22b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19 <0.28 <0.18 <0.19 <0.20 <0.18 <0.19 <0.20 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.10 <0.20 <0.10 <0.20 <0.20 <0.10 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20 <0.20	<1.0 <1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 <5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<.0.016b <0.019 <0.017b <0.019 <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0094 <0.0081 <0.010 <0.0082 <0.0088 <0.0088 <0.00883 <0.010	<0.0081b <0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.004b <0.0045 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.004b <0.0046 <0.0045 <0.0047 <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0044 <0.0044 <0.0044 <0.0044 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.0047 <0.
TP-5 (4 1/2 - 5) TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 1/2 -	4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 - 1 2 - 2 1/2	<0.17 <0.19b <0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	<1.0 1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 8.1 8.5 <5.0 <5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.019 <0.018 <0.017b <0.019 <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 <0.010 <0.0082 <0.0088b <0.0083 <0.010	<pre><0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083</pre>	<pre><0.0046 <0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041</pre>	<pre><0.0046 <0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041</pre>	<pre><0.0046 <0.0044 <0.0045 <0.0046 <</pre>
TP-6 (1 - 1 1/2) TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (3 - 3 1/2) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-10 (3 - 3 1/2) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.17 <0.19b <0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19 <0.17 <0.19 <0.20	1.2Y 1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	8.1 8.5 <5.0 <5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.019 <0.018 <0.017b <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0093 <0.0090 <0.0087b <0.0094 <0.0081 <0.010 <0.0082 <0.0088 <0.0083 <0.010	<0.0093 <0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.0046 <0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0046 <0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0046 <0.0044 <0.0047 <0.0047 <0.0047 <0.0040 <0.0044 <0.0044 <0.0044 <0.0045
TP-6 (2 - 2 1/2) TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.19b <0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.17 <0.19 <0.17 <0.19 <0.20b	1.1Y <1.0 <1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	8.5 <5.0 <5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.018 <0.017b <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0090 <0.0087b <0.0094 <0.0081 <0.010 <0.0082 <0.0088 <0.0083 <0.010	<0.0090 <0.0087b <0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0045 <0.0044b <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0049 <0.0044 <0.0047 <0.0047 <0.0047 <0.0093 <0.0044 <0.0044 <0.0045
TP-6 (3 - 3 1/2) TP-6 (4 1/2 - 5) TP-7 (1 - 1 1/2) TP-7 (1 - 1 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.23b <0.20 <0.18 <0.19 <0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	<1.0 81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.017b <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<pre><0.0094 <0.0094 <0.0081 <0.010 <0.0082 <0.0088b <0.0083 <0.010</pre>	<pre><0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083</pre>	<0.0044b <0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0044b <0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0044 <0.004 <0.004 <0.0093 <0.004 <0.004 <0.004 <0.005
TP-7 (1 - 1 1/2) TP-7 (2 - 2 1/2) TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (5 - 5 1/2) TP-9 (3 - 3 1/2) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (2 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (2 - 2 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	1 - 1 1/2 2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.20 <0.18 <0.19 <0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	81 1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	84 7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.019 <0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0094 <0.0094 <0.0081 <0.010 <0.0082 <0.0088b <0.0083 <0.010	<0.0094 <0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.0047 <0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0047 <0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.004 <0.004 <0.004 0.0093 <0.004 <0.0044 <0.004
TP-7 (2 - 2 1/2) TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (5 - 5 1/2) TP-9 (5 - 5 1/2) TP-9 (7 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (2 - 2 1/2) TP-11 (2 - 3 1/2) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2)	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	2 - 2 1/2 3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.18 <0.19 <0.28 <0.18 <0.19b <0.17 <0.19	1.3Y <1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	7.4 <5.0 <5.0 4,200 240 400 7.4 200	<0.019 <0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0094 <0.0081 <0.010 <0.0082 <0.0088b <0.0083 <0.010	<0.0094 <0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.0047 <0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0047 <0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.004 <0.004 0.0093 <0.004 <0.0044 <0.005
TP-7 (3 - 3 1/2) TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (1/2 - 1) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 1) TP-9 (2 - 1) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	3 - 3 1/2 4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.19 <0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	<1.0 <1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 <5.0 4,200 240 400 7.4 200	<0.016 <0.020 0.024 0.056b <0.017 <0.020	<0.0081 <0.010 <0.0082 <0.0088b <0.0083 <0.010	<0.0081 0.012 <0.0082 <0.0088b <0.0083	<0.0040 0.0058 <0.0041 <0.0044b <0.0041	<0.0040 0.019 <0.0041 <0.0044b <0.0041	<0.0046 0.0093 <0.004 <0.0044 <0.0045
TP-7 (4 1/2 - 5) TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (2 - 2 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	4 1/2 - 5 1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	<1.0 2,100Y 100Y 87 3.7Y 17Y 23Y	<5.0 4,200 240 400 7.4 200	<0.020 0.024 0.056b <0.017 <0.020	<0.010 <0.0082 <0.0088b <0.0083 <0.010	0.012 <0.0082 <0.0088b <0.0083	0.0058 <0.0041 <0.0044b <0.0041	0,019 <0.0041 <0.0044b <0.0041	0.0093 <0.004 <0.004 <0.004 <0.005
TP-8 (1/2 - 1) TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (3 - 3 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (2 - 2 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	1/2 - 1 2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.28 <0.18 <0.19b <0.17 <0.19 <0.20b	2,100Y 100Y 87 3.7Y 17Y 23Y	4,200 240 400 7.4 200	<0.020 0.024 0.056b <0.017 <0.020	<0.010 <0.0082 <0.0088b <0.0083 <0.010	0.012 <0.0082 <0.0088b <0.0083	0.0058 <0.0041 <0.0044b <0.0041	0.019 <0.0041 <0.0044b <0.0041	0.0093 <0.004 <0.004 <0.004 <0.005
TP-8 (2 - 2 1/2) TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	2 - 2 1/2 3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.18 <0.19b <0.17 <0.19 <0.20b	100Y 87 3.7Y 17Y 23Y	240 400 7.4 200	0.024 0.056b <0.017 <0.020	<0.0082 <0.0088b <0.0083 <0.010	<0.0082 <0.0088b <0.0083	<0.0041 <0.0044b <0.0041	<0.0041 <0.0044b <0.0041	<0.004 <0.004 <0.004 <0.005
TP-8 (3 - 3 1/2) TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (1/2 - 1) TP-9 (3 - 3 1/2) TP-9 (3 - 3 1/2) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	3 - 3 1/2 5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.19b <0.17 <0.19 <0.20b	87 3.7Y 17Y 23Y	7.4 200	0.056b <0.017 <0.020	<0.0088b <0.0083 <0.010	<0.0088b <0.0083	<0.0044b <0.0041	<0.0044b <0.0041	<0.004 <0.004 <0.005
TP-8 (5 - 5 1/2) TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	5 - 5 1/2 1/2 - 1 2 - 2 1/2 3 - 3 1/2	5 - 5 1/2 1/2 - 1 2 - 2 1/2	<0.17 <0.19 <0.20b	3.7Y 17Y 23Y	7.4 200	<0.017 <0.020	<0.0083 <0.010	<0.0083	<0.0041	<0.0041	<0.004 <0.005
TP-9 (1/2 - 1) TP-9 (2 - 2 1/2) TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 2 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1/2 - 1 2 - 2 1/2 3 - 3 1/2	1/2 - 1 2 - 2 1/2	<0.19 <0.20b	17Y 23Y	200	<0.020	<0.010				<0.005
TP-9 (3 - 3 1/2) TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (1 - 1 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	3 - 3 1/2				24			V0.010	70,0031		2000
TP-9 (4 1/2 - 5) TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)		3 - 3 1/2	< 0.19			<0.021b	<0.011b	<0.011b	<0.0053b	<0.0053b	< 0.0053
TP-10 (1 - 1 1/2) TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	4 1/2 - 5	0.00	30.25	<1.0	<5.0	0.041	< 0.0092	< 0.0092	< 0.0046	< 0.0046	< 0.004
TP-10 (2 - 2 1/2) TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)		4 1/2 - 5		<1.0	<5.0	1012000		345			
TP-10 (3 - 3 1/2) TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	1 - 1 1/2	1 - 1 1/2	<0.19	23Y	150	<0.017	<0.0087	<0.0087	<0.0043	<0.0043	<0.004
TP-10 (4 1/2 - 5) TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5) TP-12 (4 1/2 - 5)	2 - 2 1/2	2 - 2 1/2	<0.18b	1.4Y	5.7	<0.018b	<0.0089b		<0.0044b	<0.0044b	<0.0044
TP-11 (1/2 - 1) TP-11 (2 - 2 1/2) TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2 4 1/2 - 5	3 - 3 1/2 4 1/2 - 5	<0.17	<1.0 1.2Y	<5.0 <5.0	<0.017	<0.0083	<0.0083	<0.0042	<0.0042	<0.004
TP-11 (2 - 2 1/2) IP-11 (3 - 3 1/2) IP-11 (4 1/2 - 5) TP-12 (1/2 - 1) IP-12 (2 - 2 1/2) IP-12 (3 - 3 1/2) IP-12 (4 1/2 - 5)	1/2 - 1	1/2 - 1	<0.20	150Y	660	<0.017	<0.0087	<0.0087	< 0.0043	< 0.0043	<0.004
TP-11 (3 - 3 1/2) TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	2 - 2 1/2	2 - 2 1/2	<0.22	78Y	390	<0.017	<0.0082	<0.0082	< 0.0042	< 0.0042	<0.004
TP-11 (4 1/2 - 5) TP-12 (1/2 - 1) TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	3 - 3 1/2	3 - 3 1/2	<0.17b	< 0.99	<5.0	<0.016b	<0.0082b		<0.0041b	<0.0041b	< 0.004
TP-12 (2 - 2 1/2) TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5		1.8Y	9.0			***	ent.		
TP-12 (3 - 3 1/2) TP-12 (4 1/2 - 5)	1/2 - 1	1/2 - 1	< 0.19	56Y	670	<0.017	<0.0086	<0.0086	<0.0043	< 0.0043	< 0.004
TP-12 (4 1/2 - 5)	2 - 2 1/2	2 - 2 1/2	< 0.17	<1.0	8.1	<0.017	<0.0087	<0.0087	<0.0043	< 0.0043	< 0.004
	3 - 3 1/2	3 - 3 1/2	<0.19b	<0.99	<5.0	<0.016b	<0.0081b		<0.0041b	<0.0041b	<0.004
IP-13 (1/2 - 1)	4 1/2 - 5	4 1/2 - 5	***	<1.0	<5.0					***	
	1/2 - 1	1/2 - 1	<0.17	<0.99	<5.0	<0.018	-0.0000		<0.0044		<0.004
	2 - 2 1/2 3 - 3 1/2	2 - 2 1/2 3 - 3 1/2	<0.17	39Y <1.0	260 <5.0	<0.018	<0.0088	<0.0088	<0.0044	<0.0044 <0.0043	<0.004
	4 1/2 - 5	4 1/2 - 5		<0.99	<5.0						
	0 - 1/2	3 - 3 1/2	< 0.18	180Y	670	<0.021	<0.011	<0.011	<0.0053	< 0.0053	< 0.005
TP-14 (1 1/2 - 2)	1 1/2 - 2	4 1/2 -5	0.49Y	170Y	480	0.022	<0.0083	<0.0083	<0.0043	< 0.0043	< 0.004
TP-15 (0 - 1/2)	0 - 1/2	3 - 3 1/2	<0.18	5.0Y	11	0.055	0.012	<0.0089	<0.0044	< 0.0044	<0.004
	1 1/2 - 2	4 1/2 - 5	<0.17	<1.0	<5.0	0.027	<0.0084	<0.0084	<0.0042	<0.0042	<0.004
TP-16 (0 - 1/2)	0 - 1/2	3 - 3 1/2	<0.17	<1.0	<5.0	0.035	<0.0083	<0.0083	<0.0042	<0.0042	<0.004
	1 1/2 - 2	4 1/2 - 5	<0.16	<1.0	<5.0	0.032	<0.0083	<0.0083	<0.0042	< 0.0042	< 0.004
TP-17 (0 - 1/2) TP-17 (1 1/2 - 2) 1	0 - 1/2	3 - 3 1/2	<0.17	<1.0	<5.0 <5.0	<0.016 <0.017b	<0.0082	<0.0082	<0.0041 <0.0042b	<0.0041	<0.004
TP-18 (0 - 1/2)	0 - 1/2	4 1/2 - 5 3 - 3 1/2	<0.17b 0.31	<1.0 2,700	4,900	<0.0176	<0.0084b <0.0089	<0.0084b <0.0089	<0.00426	<0.0042b <0.0045	<0.0042
	1 1/2 - 2	4 1/2 - 5	0.59Y	970	2,400	0.028	0.0092	<0.0085	<0.0043	< 0.0045	<0.004
TP-19 (0 - 1/2)	0 - 1/2	3 - 3 1/2	0.20Y	<1.0	<5.0	0.074	0.02	<0.0093	< 0.0042	< 0.0046	<0.004
	1 1/2 - 2	4 1/2 - 5	<0.17b	<1.0	<5.0	0.041b	<0.008b	<0.008b	<0.004b	<0.004b	<0.004
	2 - 2 1/2	8 - 8 1/2	46Y	24Y	27	<0.015	< 0.0077	< 0.0077	<0.0039	<0.0039	<0.003
TP-21 (0 - 1/2)	0 - 1/2	3 - 3 1/2	<0.17	1.4Y	6	<0.017	<0.0084	<0.0084	< 0.0042	< 0.0042	< 0.004
	1 1/2 - 2	4 1/2 - 5	<0.16b	<0.99	<5.0	<0.016b		<0.008b	<0.004b	<0.004b	< 0.004
TP-22 (0 - 1/2)		3 - 3 1/2	<0.15	<1.0	<5.0	<0.015	<0.0075	<0.0075	<0.0038	<0.0038	<0.003
	0 - 1/2		<0.18b	<1.0	<5.0		<0.0083b	<0.0083b	<0.0041b	<0.0041b	<0.004
Residentia Residentia	0 - 1/2 1 1/2 - 2	4 1/2 - 5	83	83	370	0.5	NE	NE	2.9	2.3	NE

¹ Environmental Screening Level. California Regional Water Quality Control Board - SF Bay Region. 2008

< Not detected at or above the laboratory detection limit.

NE None Established

^{*} Ground surface at the time of August 30, 2011 sampling

^{**} Original (post demolition) ground surface prior to excavation activities

Y Chromatogram pattern does not resemble standard

b Sample was analyzed past 7 day holding time

CORNERSTONE EARTH GROUP

Table 2. Analytical Results of Selected Soil Samples - Metals (Concentrations in mg/Kg [ppm])

Sample ID	Depth (feet) below ground surface+	Depth (feet) below original ground surface**	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Moly bdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TP-1 (1/2-1)	1/2 - 1	1/2 - 1	7.6	120	0.33	<0.25	160	26	27	20		***	0.08	0.35	130	2.9	<0.25	<0.50	38	46
TP-1 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	4.9	130	0.39	< 0.25	35	7.9	19	13	444	202	0.062	<0.25	34	<0.5	<0.25	<0.5	32	47
TP-1 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5	140	0.048	< 0.25	42	10	19	5.7		-	0.023	< 0.25	45	<0.5	<0.25	0.54	36	44
TP-2 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	4.3	100	0.25	< 0.25	1.2	6.1	19	3.2			0.044	< 0.25	3.4	<0.50	< 0.25	< 0.50	22	62
TP-2 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	5.1	170	0.45	< 0.25	40	9	19	6.2			<0.02	<0.25	41	<0.50	<0.25	<0.50	37	43
TP-2 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	6.7	150	0.51	0.26	44	11	22	5.9			0.03	< 0.25	51	< 0.50	< 0.25	< 0.50	39	49
TP-2 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	4.1	120	0.39	< 0.25	36	8.2	16	4			0.038	< 0.25	39	< 0.50	< 0.25	0.75	32	35
TP-3 (1/2 - 1)	1/2 - 1	1/2 - 1	4.8	110	0.32	< 0.25	26	6.5	11	4.9		-	0.1	0.27	33	< 0.50	< 0.25	< 0.50	29	28
TP-3 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	5.6	160	0.37	0.48	48	10	34	200	6.1		0.16	< 0.25	40	< 0.50	< 0.25	< 0.50	35	130
TP-3 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5.3	160	0.52	0.27	45	9.8	22	12	< 0.25		0.029	< 0.25	51	< 0.50	< 0.25	0.74	39	52
TP-3 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	6.1	140	0.44	0.25	40	9.8	19	5.9			0.02	< 0.25	45	< 0.50	<0.25	1.2	36	41
TP-4 (1/2 -1)	1/2 - 1	1/2 - 1	8.9	110	0.36	< 0.25	35	8.3	19	17			0.1	< 0.25	39	< 0.50	<0.25	<0.50	32	40
TP-4 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	5.4	140	0.45	< 0.25	40	8.4	19	6.3			0.027	0.36	44	< 0.50	<0.25	< 0.50	33	45
TP-4 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	4.9	150	0.49	0.27	41	10	21	6.6		-	0.027	< 0.25	50	< 0.50	<0.25	0.79	33	47
TP-4 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	4.7	120	0.35	< 0.25	33	8.2	14	3.9			<0.020	<0.25	36	< 0.50	<0.25	0.63	31	33
TP-5 (1/2 - 1)	1/2 - 1	1/2 - 1	9.4	130	0.3	0.36	33	8.2	53	370	7.1		0.14	0.37	36	<0.50	<0.25	< 0.50	35	120
TP-5 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	5.5	150	0.42	<0.25	35	11	19	7.8			0.11	<0.25	45	1.1	<0.25	<0.50	31	44
TP-5 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	4.9	150	0.49	0.27	41	10	21	6.6			0.027	< 0.25	50	< 0.50	< 0.25	0.79	33	47
TP-5 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	5.6	120	0.37	0.33	33	8.9	18	6.3			<0.020	<0.25	47	< 0.50	< 0.25	<0.50	30	39
TP-6 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	5.4	100	0.32	<0.25	36	8.5	120	20			0.067	0.31	37	<0.50	<0.25	<0.50	36	43
TP-6 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	4.4	140	0.41	<0.25	37	7.7	21	13	-		0.075	<0.25	37	0.86	<0.25	<0.50	32	41
TP-6 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5.7	160	0.54	0.29	46	12	24	7.1			0.041	<0.25	47	<0.50	<0.25	0.62	38	50
TP-6 (4 1/2 - 5)	41/2-5	4 1/2 - 5	4.3	110	0.36	<0.25	33	9	14	4.3		-	0.026	<0.25	37	<0.50	<0.25	<0.50	31	34
TP-7 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	4.1	180	0.33	0.3	21	9	29	240	3.6	244	1.7	<0.25	27	<0.50	<0.25	<0.50	23	61
TP-7 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	4.9	130	0.43	<0.25	36	8.1	18	5.6	3.0		0.028	<0.25	36	<0.50	<0.25	<0.50	32	40
TP-7 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5.1	130	0.4	<0.25	38	7.8	14	5.9			0.028	<0.25	41	<0.50	<0.25	<0.50	33	36
TP-7 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	3.8	92	0.3	<0.25	39	7.2	12	3.8		1244	0.036	<0.25	31	<0.50		<0.50	27	30
TP-8 (1/2 - 1)	1/2 - 1	1/2 - 1	6.6	110	0.4	0.44	67	14	25	57	11		0.026	0.39	58	1.8	<0.25	<0.5	54	62
TP-8 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	3.0	110	0.34	<0.25	41	9.9	27	20		-	0.24	<0.25	36	<0.50	<0.25		28	42
TP-8 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	6.6	160	0.54	0.32	47	12	23	6.5			0.034	<0.25	53	<0.50	<0.25	<0.50	44	51
TP-8 (5 - 5 1/2)	5 - 5 1/2	5 - 5 1/2	5.2	120	0.34	<0.25	32	6.8	13	5.4			0.034	<0.25	35	<0.50	<0.25	<0.50	33	32
		The second second	1.3					18		A CONTRACTOR OF THE PARTY OF TH			and proceedings of the later of							
TP-9 (1/2 - 1) TP-9 (2 - 2 1/2)	1/2 - 1 2 - 2 1/2	1/2 - 1 2 - 2 1/2	6.9	21 440	<0.10	<0.25	47	18	29 58	2.6		0.21	<0.020	<0.25	36	<0.50	<0.25	0.89	28	19
Control of the last of the las	The second second	at the state of	6.4	140		<.25				1,500		0.31	13	<0.25	27	<0.50	<0.25	1.2	44	50
TP-9 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2			0.49		42	10	19	5.3			0.048	<0.25	47	<0.50	<0.25	<0.50	39	42
TP-9 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	4.3	140	0.44	0.27	42	9.2	19	4.9			0.04	<0.25	48	<0.50	<0.25	0.94	35	41
TP-10 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	5.2	120	0.31	0.52	50	9.8	40	120	8.1		0.072	<0.25	38	<0.50		<0.50	39	110
TP-10 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	4.4	150	0.42	0.28	39	8.9	21	39	110		0.15	<0.25	41	<0.50	<0.25	<0.50	31	54
TP-10 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	4.2	120	0.42	<0.25	35	7.9	15	4.6			0.031	<0.25	39	<0.50	<0.25	<0.50	33	36
TP-10 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	4.4	130	0.4	<0.25	36	8.7	16	7.4			<0.020	<0.25	41	<0.50	<0.25	0.9	31	41
TP-11 (1/2 - 1)	1/2 - 1	1/2 - 1	5.1	110	0.37	0.43	40	9.9	38	61	2.8		0.12	<0.25	35	<0.50	0.4	<0.50	40	99
TP-11 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	4	120	0.34	0.32	32	7	36	79	2.8		0.27	<0.25	31	<0.50	<0.25	<0.50	29	93
TP-11 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5.6	160	0.43	<0.25	40	8.6	20	17			0.036	<0.25	41	<0.50	<0.25	< 0.50	33	57
TP-11 (4 1/2 - 5)	41/2-5	41/2-5	4.2	110	0.37	< 0.25	39	7.3	15	11			0.034	< 0.25	37	< 0.50	< 0.25	< 0.50	32	53

CORNERSTONE EARTH GROUP

Sample ID	Depth (feet) below ground surface*	Depth (feet) below original ground surface**	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Copper	Lead	STLC Lead	TCLP Lead	Mercury	Moly bdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TP-12 (1/2 - 1)	1/2 - 1	1/2 - 1	4.9	100	0.28	0.25	35	7.7	47	31			0.14	< 0.25	37	< 0.50	< 0.25	< 0.50	37	61
TP-12 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	3.8	140	0.4	< 0.25	34	7.4	18	6.5			0.036	< 0.25	33	< 0.50	< 0.25	<0.50	30	38
TP-12 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	5	130	0.42	< 0.25	37	8.9	17	4.8			0.028	< 0.25	42	< 0.50	< 0.25	<0.50	33	40
TP-12 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	3.6	93	0.34	< 0.25	34	7.3	14	3.9		-	0.021	< 0.25	33	< 0.50	<0.25	0.77	29	35
TP-13 (1/2 - 1)	1/2 - 1	1/2 - 1	2.6	100	0.31	< 0.25	2.4	11	46	1.1			<0.020	< 0.25	2.1	<0.50	0.39	< 0.50	65	66
TP-13 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	23	1,200	0.18	7.2	98	8.2	220	1,700		0.67	0.052	0.94	35	< 0.50	0.76	< 0.50	19	11,000
TP-13 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	4.9	130	0.46	< 0.25	39	11	18	5.2			0.021	< 0.25	52	< 0.50	<0.25	<0.50	39	40
TP-13 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	3.3	67	0.3	< 0.25	28	5.7	9.7	3.6	Law	-	<0.020	< 0.25	28	<0.50	<0.25	0.76	27	30
TP-14 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.2	190	0.35	0.42	38	8.1	33	290	8.4		2.4	< 0.25	32	< 0.50	<0.25	< 0.50	28	140
TP-14 (1 1/2 - 2)	1 1/2 - 2	4 1/2 -5	4.6	110	0.4	< 0.25	37	8.6	16	14			0.044	0.32	41	< 0.50	<0.25	<0.50	35	40
TP-15 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4	150	0.47	0.26	39	8.2	22	6.7			0.039	< 0.25	38	< 0.50	<0.25	< 0.50	35	49
TP-15 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	3.8	120	0.39	< 0.25	34	7.7	16	4.9			0.031	< 0.25	37	< 0.50	<0.25	<0.50	31	37
TP-16 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.5	120	0.4	< 0.25	35	7.7	16	7.3			0.044	< 0.25	37	< 0.50	<0.25	<0.50	34	36
TP-16 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	3.9	140	0.42	< 0.25	39	8.3	17	4.2			0.036	<0.25	41	<0.50	<0.25	<0.50	36	35
TP-17 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.7	120	0.42	< 0.25	36	8.7	16	4.8	and the same of		0.041	<0.25	38	< 0.50	<0.25	<0.50	34	36
TP-17 (1 1/2 - 2)	1-1/2-2	4 1/2 - 5	5.3	120	0.37	<0.25	33	9.2	14	5.6			0.02	<).25	39	<0.50	<0.25		34	36
TP-18 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.8	150	0.37	<0.25	39	9.4	21	50	3.7		0.32	0.51	39	<0.50	<0.25	<0.50	30	57
TP-18 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	5.2	130	0.4	<0.25	37	8.3	16	6.1			0.032	0.27	41	<0.50	<0.25	<0.50	35	38
TP-19 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.2	140	0.43	0.28	37	8.4	22	140	0.54		0.12	< 0.25	38	<0.50	<0.25	<0.50	32	52
TP-19 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	5.5	140	0.46	0.25	42	9.5	18	7.1	< 0.25		0.041	< 0.25	49	< 0.50	<0.25	<0.25	37	44
TP-20 (2 - 2 1/2)	2 - 2 1/2	8 - 8 1/2			-															
TP-21 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.5	130	0.39	< 0.25	32	8.5	15	4.7			0.028	<0.25	37	< 0.50	< 0.25	< 0.50	30	35
TP-21 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	4.8	100	0.32	< 0.25	31	7.7	11	4.7			0.022	< 0.25	34	< 0.50	< 0.25	< 0.50	30	31
TP-22 (0 - 1/2)	0 - 1/2	3 - 3 1/2	4.6	130	0.44	<0.25	38	8.5	17	5			0.042	<0.25	42	<0.50	< 0.25	< 0.50	34	39
TP-22 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	5.1	88	0.31	<0.25	30	9.5	11	4.7		***	<0.020	< 0.25	32	< 0.50	< 0.25	<0.50	31	31
Typical Baci	oground Rang	e***	0.6 to 11	133 to 1,400	0.25 to 2.7	0.05 to 1.7	23 to 1,579	2.7 to 46.9	9.1 to 96.4	12.4 to 97.1	NA	NA	0.1 to 0.9	NE	9 to 509	0.15 to 0.43	0.1 to 8.3	20 to 271	39 to 288	88 to 236
Reside	ential CHHSL ¹		0.07	5,200	150	1.7	NE	660	3,000	80	NA	NA	18	380	1,600	380	380	5	530	23,000
TTLC California	Hazardous Wa	aste Limit	500	10,000	75	100	2,500	8,000	2,500	1,000	STLC =	TCLP =	20	3,500	2,000	100	500	700	2,400	5,000

- 1 California Human Health Screening Level (CHHSL), CalEPA January 2005 and September 2009
- < Not detected at or above laboratory reporting limit
- NE Not Established
- NA Not applicable
- --- Not Analyzed
- BOLD Concentration exceeds CHHSL and background maximum or hazardous waste limit
- * Ground surface at the time of August 30, 2011 sampling
- ** Original (post demolition) ground surface prior to excavation activities
- *** Bradford, et.al., 1996. Background Concentrations of Trace and Major Elements in California Soils
- Note Other CAM 17 metals were not detected

CORNERSTONE EARTH GROUP

Table 3. Analytical Results of Selected Soil Samples - OCPs and PCBs (Concentrations in $mg/Kg\ [ppm])$

Sample ID	Depth (feet) below ground surface*	Depth (feet) below original ground surface**	Dieldrin	Aldrin	4,4 -DDT	4,4 -DDE	4,4 -DDD	DDT Total	Total Chlordane	alpha-Chlordane	gamma- Chlordane	Arochlor 1254 (PCB)	Arochior 1260 (PCB)
TP-1 (1/2-1)	1/2 - 1	1/2 - 1	< 0.017	<0.0086	< 0.017	<0.017	< 0.017	ND	ND	<0.0086	<0.0086	<0.012	0.017
TP-1 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-1 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-2 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0017	< 0.0017	<0.0033	<0.0033	<0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-2 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-2 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-2 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-3 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-3 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-3 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-3 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-4 (1/2 -1)	1/2 - 1	1/2 - 1	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-4 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-4 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-4 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-5 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.010	< 0.0052	0.044	0.013	< 0.010	0.057	0.028	0.014	0.014	< 0.012	0.04
TP-5 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-5 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-5 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-6 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-6 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	<0.0033	<0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-6 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	<0.0017	< 0.0017	<0.012	< 0.012
TP-6 (4 1/2 - 5)	41/2-5	4 1/2 - 5	<0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	<0.0017	<0.012	< 0.012
TP-7 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	<0.0033	ND	ND	< 0.0017	<0.0017	< 0.012	< 0.012
TP-7 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	<0.0017	<0.0017	< 0.012	<0.012
TP-7 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-7 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	<0.0017	<0.0017	<0.012	< 0.012
TP-8 (1/2 - 1)	1/2 - 1	1/2 - 1	<0.016	<0.0084	< 0.016	< 0.016	0.047	0.047	ND	< 0.0084	<0.0084	0.1	0.12
TP-8 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	< 0.0017	ND	< 0.0017	<0.0017	<0.012	<0.012
TP-8 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	< 0.0017	ND	< 0.0017	< 0.0017	<0.012	< 0.012
TP-8 (5 - 5 1/2)	5 - 5 1/2	5 - 5 1/2	< 0.0017	< 0.0017	< 0.0033	<0.0033	< 0.0033	< 0.0017	ND	< 0.0017	<0.0017	<0.012	<0.012
TP-9 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.0033	< 0.0017	< 0.0033	<0.0033	< 0.0033	ND	ND	<0.0017	< 0.0017	<0.012	0.016
TP-9 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	<0.0017	<0.0017	<0.012	<0.012
TP-9 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	<0.0033	<0.0017	<0.0033	<0.0033	<0.0033	ND	ND	<0.0017	<0.0017	<0.012	<0.012
TP-9 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	<0.0032	<0.0017	< 0.0033	<0.0032	< 0.0032	ND	ND	<0.0017	<0.0017	<0.012	<0.012
TP-10 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0053	<0.0017	< 0.0067	< 0.067	<0.0055	ND	ND	<0.0017	0.0053	<0.012	0.033
TP-10 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0017	<0.0033	<0.0033	< 0.0033	<0.0033	<0.0017	ND	<0.0033	<0.0033	<0.012	<0.012
TP-10 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0017	<0.0017	<0.0033	< 0.0033	< 0.0033	< 0.0017	ND	<0.0017	<0.0017	<0.012	<0.012
TP-10 (3 - 3 1/2)	4 1/2 - 5	4 1/2 - 5	< 0.0017	< 0.0017	<0.0033	< 0.0033	< 0.0033	<0.0017	ND	<0.0017	<0.0017	<0.012	<0.012
TP-11 (1/2 - 1)	1/2 - 1	1/2 - 1	<0.0017	<0.0017	< 0.0033	<0.0033	<0.0033	ND	ND	<0.0017	<0.0017	<0.012	0.19
TP-11 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.010	< 0.0032	<0.010	< 0.010	<0.010	ND	ND	<0.0032	<0.0032	<0.012	<0.012
TP-11 (2 - 2 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0033	< 0.0017	<0.0033	<0.0033	<0.0033	ND	ND	<0.0017	<0.0017	<0.012	<0.012
11-11 (3 - 3 1/2)	4 1/2 - 5	4 1/2 - 5	<0.0033	<0.0017	<0.0033	<0.0033	<0.0033	ND	ND	<0.0017	<0.0017	<0.012	<0.012



Sample ID	Depth (feet) below ground surface*	Depth (feet) below original ground surface**	Dieldrin	Aldrin	4,4°-DDT	4,4°-DDE	4,4"-DDD	DDT Total	Total Chlordane	alpha-Chlordane	gamma- Chlordane	Arochlor 1254 (PCB)	Arochlor 1260 (PCB)
TP-12 (1/2 - 1)	1/2 - 1	1/2 - 1	0.004	<0.0017	0.042	0.016	0.0064	0.0644	0.0051	0.002	0.0031	<0.012	0.023
TP-12 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	<0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-12 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-12 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-13 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-13 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0033	< 0.0017	0.0062	0.0085	0.033	0.048	0.015	0.0078	0.0072	< 0.012	0.028
TP-13 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0033	< 0.0017	<0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-13 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0033	< 0.0017	<0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-14 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-14 (1 1/2 - 2)	1 1/2 - 2	4 1/2 -5	< 0.0017	< 0.0017	< 0.0032	< 0.0032	< 0.0032	ND	ND	< 0.0017	< 0.0017	< 0.012	0.02
TP-15 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-15 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-16 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-16 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-17 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	0.016
TP-17 (1 1/2 - 2)	1-1/2-2	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-18 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0084	<0.0084	< 0.016	< 0.016	< 0.016	ND	ND	< 0.0084	< 0.0084	0.014	0.02
TP-18 (1 1/2 - 2)	1 1/2 - 2	41/2-5	< 0.0017	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-19 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-19 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-20 (2 - 2 1/2)	2 - 2 1/2	8 - 8 1/2											
TP-21 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-21 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0033	< 0.0017	< 0.0033	<0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-22 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0033	< 0.0017	< 0.0033	< 0.0033	< 0.0033	ND	ND	< 0.0017	< 0.0017	< 0.012	< 0.012
TP-22 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0033	<0.0017	< 0.0033	< 0.0033	<0.0033	ND	ND	< 0.0017	<0.0017	< 0.012	< 0.012
Resid	dential CHHSL ¹		0.035	0.033	1.6	1.6	2.3	NE	0.43	NE	NE	0.089	0.089

¹ California Human Health Screening Level. California EPA. 2005 and 2009

OCPs PCBs

< Not detected above laboratory detection limit

NE None established
Organochlorine Pesticides
Polychlorinated Biphenyls
* Ground surface at the time of August 30, 2011 sampling

 $[\]ensuremath{^{**}}$ Original (post demolition) ground surface prior to excavation activities

Table 4. Analytical Results of Selected Soil Samples - Polyaromatic Hydrocarbons (PAH's) (Concentrations in parts per million [ppm])

Phi 1 - 2 1/2 2 - 2 1/2 2 - 2 1/2 2 - 1/2 2 - 1/2 2 - 1/2 2 - 1/2 3 - 3 3 3 3 3 3 3 3 3	Sample ID	Depth (feet) below ground surface ^a	Depth (feet) below original ground surface**	Napthalene	Acenaphthylene	Acenapthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Indeno[1,2,3-cd]pyrene	Dibenz(a,h)anthracene	Benzo[g,h,i]perylene
The 1 - 3 1 / 2 3 - 3 1 / 2 5 - 3	TP-1 (1/2-1)	1/2 - 1	1/2 - 1	< 0.025	<0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<0.025	< 0.025	0.04	0.032	< 0.025	0.026	<0.025	<0.025	<0.025
	TP-1 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049				
	the contract of the contract o	3 - 3 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.005					Control of the Control of the Control
	TP-2 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051						100 C Supplied Sec. 10
	TP-2 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051			100 100 100 100 100 100 100 100 100 100
	THE RESIDENCE OF THE PARTY OF T	3 - 3 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005			
		4 1/2 - 5	4 1/2 - 5	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	Sharp Sharp
	TP-3 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the second second second	2 - 2 1/2	2 - 2 1/2	< 0.005	< 0.005	< 0.005	< 0.005	0.0071	< 0.005	0.013	0.014	0.0074	0.017	0.017	0.0062	0.01	< 0.005		
$ P_{13}(4 1/2 - 5) \\ P_{14}(2 - 1) \\ P_{14}(3 - 1) \\ P$		3 - 3 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005		0.000.000.000.000
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	and the state of t	41/2-5	4 1/2 - 5	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		200000000000000000000000000000000000000
	and the second of the second o	1/2 - 1	1/2 - 1	< 0.005	< 0.005	< 0.005	< 0.005	0.031	0.009	0.059	0.062	0.032	0.042	0.028	0.011				Marin Walley Son
		2 - 2 1/2	2 - 2 1/2	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049		< 0.0049				The state of the s
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TP-4 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	<0.0049	< 0.0049	<0.0049					1242671727
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TP-4 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.0049	< 0.0049	< 0.0049	<0.0049	< 0.0049	< 0.0049	< 0.0049									and the second second
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TP-5 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.029	0.029	< 0.025							The same of the sa
FP-5 (4 1/2 - 5)	TP-5 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0049	< 0.0049	< 0.0049	< 0.0049												2222
Fig. 1	TP-5 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.005	< 0.005														and the second of the collection
Fire (1 - 2 1/2) 2 - 2 1/2 2 - 2 1/2 2 - 0.0049 0.0049	TP-5 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.005															the second consideration in the
TP-6 (3 - 3 1/2) 3 - 3 1/2 3 - 3 1/2	TP-6 (1 - 1 1/2)	1 - 1 1/2	1 - 1 1/2	< 0.0049															Control of the latest and the latest
TP-6 (4 1/2 - 5) 4 1/2 - 5	TP-6 (2 - 2 1/2)	2 - 2 1/2																	and the second second
TP-7 (1 - 1 1/2)	TP-6 (3 - 3 1/2)	3 - 3 1/2																	The state of the s
TP-7 (2 - 2 1/2) 2 - 2 1/2 (0.0049	TP-6 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	<0.005															Contract Contract
TP-7 (3 - 3 1/2) 3 - 3 1/2 3 - 3 1/2 (0.0049	TP-7 (1 - 1 1/2)	1 - 1 1/2																	market and and a second
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TP-7 (2 - 2 1/2)	2 - 2 1/2																	and the second state of the second second
TP-8 (1/2 - 1)	TP-7 (3 - 3 1/2)	3 - 3 1/2	and the second second																
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the control of th	100000000000000000000000000000000000000																	and the second second second
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	The Control of the Co																		The American State of the State
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		AND THE PARTY AND THE	The state of the s																and the second second
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	The bearing the same and the sa	The second second																	100000000000000000000000000000000000000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Total Automotive to the contract of				The second second	and the second second second													materials, and a party
TP-9 (3 - 3 1/2) 3 - 3 1/2 (0.005																			and the second s
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the second s	and the second second	Torque Toron School Street																1. A. Stinkak (4-1)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		the same of the same of the same																	State & Control of State
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$																			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			THE CONTRACTOR																and the State Continue of
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			and the second second																100 PM 10
TP-11 (1/2 - 1) 1/2 - 1 1/2 - 1 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.049 < 0.04	property format and the second of the second		The second second second									100000000000000000000000000000000000000							State Andrew Commenced in
TP-11 (2 - 2 1/2) 2 - 2 1/2 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.005 < 0.0092 0.0084 < 0.005 0.0084 < 0.0084 < 0.0084 < 0.005 0.0084 < 0.005 0.0084 < 0.005 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0084 < 0.0	The second of th	C. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10									- T-10-F-10-F-10-F-10-F-10-F-10-F-10-F-10-								14.00
[F-11 (2-2 1/2) 2-2 1/2 2-2 1/2 0.005 0.005 0.005 0.005 0.005		and the second second	and the second second																the company of the
TP-11 (3 - 3 1/2) 3 - 3 1/2 3 - 3 1/2 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049 <0.0049				<0.005	< 0.005	<0.005	< 0.003	< 0.003	< 0.003	< 0.0092	< 0.0049	< 0.003	< 0.0049	< 0.0004	< 0.003	< 0.0049	< 0.0049	< 0.0049	<0.005

Ashland Youth Center 165-11-1

Sample ID	Depth (feet) below ground surface*	Depth (feet) below original ground surface**	Napthalene	Acenaphthylene	Acenapthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a] anthracene	Chrysene	Benzo[b] fluoranthene	Benzo[k] fluoranthene	Benzo[a]pyrene	Indeno[1,2,3-cd] pyrene	Dibenz(a,h) anthracene	Benzo[g,h,i] perylene
TP-11 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TP-12 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	0.079	0.093	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070
TP-12 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
TP-12 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	<0.0051	<0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	<0.0051	< 0.0051
TP-12 (4 1/2 - 5)	4 1/2 - 5	4 1/2 - 5	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0058	0.0064	0.0067	< 0.005	0.0052	< 0.005	< 0.005	< 0.005
TP-13 (1/2 - 1)	1/2 - 1	1/2 - 1	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
TP-13 (2 - 2 1/2)	2 - 2 1/2	2 - 2 1/2	< 0.0049	0.0075	< 0.0049	< 0.0049	0.007	< 0.0049	0.0074	0.0051	< 0.0049	0.015	0.007	< 0.0049	< 0.0049	< 0.0049	< 0.0049	0.0053
TP-13 (3 - 3 1/2)	3 - 3 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
TP-13 (4 1/2 - 5)	4 1/2 - 5	41/2-5	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
TP-14 (0 - 1/2)	0 - 1/2	3 - 3 1/2	0.016	< 0.0049	< 0.0049	< 0.0049	0.011	< 0.0049	0.0089	0.014	< 0.0049	0.0079	0.0065	< 0.0049	0.0056	< 0.0049	< 0.0049	< 0.0049
TP-14 (1 1/2 - 2)	1 1/2 - 2	4 1/2 -5	< 0.005	< 0.005	< 0.005	0.0087	< 0.005	< 0.005	0.0062	0.012	< 0.005	< 0.005	< 0.005	< 0.005	0.0066	< 0.005	< 0.005	<0.005
TP-15 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
TP-15 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
TP-16 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005
TP-16 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
TP-17 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
TP-17 (1 1/2 - 2)	1 - 1/2 - 2	4 1/2 - 5	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	<0.005	<0.005
TP-18 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.14	< 0.100	0.32	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.100
TP-18 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.025	< 0.025	< 0.025	< 0.025	0.036	< 0.025	< 0.025	0.04	< 0.025	0.09	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
TP-19 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005
TP-19 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
TP-20 (2 - 2 1/2)	2 - 2 1/2	8 - 8 1/2	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
TP-21 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	<0.005	<0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TP-21 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005
TP-22 (0 - 1/2)	0 - 1/2	3 - 3 1/2	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
TP-22 (1 1/2 - 2)	1 1/2 - 2	4 1/2 - 5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Residential CHHSL ¹			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.038	NE	NE	NE
Regional Screening Level ²			3.6	NE	3,400	2,300	NE	17,000	2,300	1,700	0.15	15	0.15	1.5	0.015	0.15	0.015	NE

¹ California Human Health Screening Level (CHHSL), CalEPA - January 2005 and September 2009

² Regional Screening Level. US EPA. 2011

< Not detected at or above the laboratory detection limit

NE None established

^{*} Ground surface at the time of August 30, 2011 sampling

^{**} Original (post demolition) ground surface prior to excavation activities

Table 5. Analytical Results of Selected Test Pit Sidewall Soil Samples - Lead

- Artista - Control - Cont			
(Concentrations	in ma	11/-	[T)
Concentrations	III IIICI	/K(I	i DDm i i

	(Concent	rations in i	mg/Kg [pp	m])
Sample Location	Sample ID	Depth (feet) below ground surface*	Depth (feet) below original ground surface**	Lead
	SW-1	1 1/2 - 2	1 1/2 - 2	19
TP-3	SW-2	1 1/2 - 2	1 1/2 - 2	9.4
11-3	SW-3	1 1/2 - 2	1 1/2 - 2	100
	SW-4	1 1/2 - 2	1 1/2 - 2	110
	SW-1	1 1/2 - 2	1 1/2 - 2	7.3
TP-5	SW-2	1 1/2 - 2	1 1/2 - 2	24
11-5	SW-3	1 1/2 - 2	1 1/2 - 2	160
	SW-4	1 1/2 - 2	1 1/2 - 2	67
	SW-1	1 1/2 - 2	1 1/2 - 2	240
TP-8	SW-2	1 1/2 - 2	1 1/2 - 2	140
17-0	SW-3	1 1/2 - 2	1 1/2 - 2	450
	SW-4	1 1/2 - 2	1 1/2 - 2	3.5
	SW-1	1 1/2 - 2	1 1/2 - 2	22
TP-9	SW-2	1 1/2 - 2	1 1/2 - 2	180
	SW-3	1 1/2 - 2	1 1/2 - 2	110
	SW-1	1 1/2 - 2	1 1/2 - 2	360
TP-10	SW-2	1 1/2 - 2	1 1/2 - 2	660
	SW-3	1 1/2 - 2	1 1/2 - 2	1,100
	SW-1	1 1/2 - 2	1 1/2 - 2	78
TP-13	SW-2	1 1/2 - 2	1 1/2 - 2	2,000
11-13	SW-3	1 1/2 - 2	1 1/2 - 2	7.7
	SW-4	1 1/2 - 2	1 1/2 - 2	1,200
	SW-1	1/2 - 1	3 1/2 - 4	6.8
TP-14	SW-2	0 - 1/2	3 - 3 1/2	14
IP-14	SW-3	1/2 - 1	3 1/2 - 4	18
	SW-4	0 - 1/2	3 - 3 1/2	30
	Residenti	al CHHSL1		80
TTLC C	alifornia Ha	zardous Wast	e Limit	1,000

- 1 California Human Health Screening Level
- < Not detected at or above laboratory reporting

BOLD Concentration exceeds CHHSL or hazardous waste limit

- * Ground surface at the time of August 30, 2011
- ** Original (post demolition) ground surface prior



Table 7. Analytical Results of Selected Verification Soil Samples from Northwest Corner of the Site - Petroleum Hydrocarbons and VOCs

(Concentrations in mg/Kg [ppm])

Sample ID	Depth (feet) below original ground surface*	TPH as Diesel	TPH as Motor Oil	Acetone	Benzene	Chlorobenzene	Isopropylbenzene	Propylbenzene	sec-Butylbenzene	n-Butylbenzene	1,4- Dichlorobenzene	1,2- Dichlorobenzene
VS-1	6 - 6 1/2	<0.99	<5.0	<0.017	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044
VS-2	6 - 6 1/2	<1.0	<5.0	<0.017	<0.0042	< 0.0042	< 0.0042	<0.0042	< 0.0042	<0.0042	< 0.0042	< 0.0042
VS-3	6 - 6 1/2	690 Y	910	0.027	<0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044
VS-3 (8)	8 - 8 1/2	6,700	9,200	<9.4	<0.0074	< 0.94	< 0.94	1.4	< 0.94	<0.94	< 0.94	< 0.94
VS-4	6 - 6 1/2	1.1 Y	<5.0	< 0.017	< 0.0043	< 0.0043	< 0.0043	< 0.0043	< 0.0043	< 0.0043	< 0.0043	< 0.0043
VS-5	6 - 6 1/2	9,100	11,000	< 0.017	0.063	0.021	0.051	0.13	0.034	0.055	0.024	0.015
VS-5 (8)	8 - 8 1/2	17,000	25,000	<4.5	0.65	< 0.45	1.1	3.4	0.92	1.5	< 0.45	< 0.45
VS-6	6 - 6 1/2	4,100	4,900	<5.0	<1.3	<1.3	2.1	6.9	1.5	3.6	<1.3	<1.3
VS-6 (8)	8 - 8 1/2	2,400	2,900	<4.3	<0.0046	< 0.43	0.82	2.8	0.85	1.5	< 0.43	<0.43
VS-7	6 - 6 1/2	1,300	1,100	<10.0	<2.5	<2.5	<2.5	7.3	3.3	3.1	<2.5	<2.5
VS-7 (8)	8 - 8 1/2	3,900	4,200	<4.6	0.0052	< 0.46	0.82	2.5	0.85	0.89	<0.46	< 0.46
VS-8	6 - 6 1/2	1,700	1,200	<1.0	<0.25	<0.25	<0.25	0.32	0.7	0.85	<0.25	<0.25
VS-8 (8)	8 - 8 1/2	550	470	<0.042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
Residen	tial ESL ¹	110	370	0.5	0.044	1.5	NE	NE	NE	NE	0.59	1.1
Residen	tial RSL ²	NE	NE	61,000	1.1	290	NE	3,400	NE	3,900	2.4	1,900

¹ Environmental Screening Level. California Regional Water Quality Control Board - SF Bay Region. May 2008. Direct contact ESL for TPH diesel and TPH motor oil.

BOLD Detected concentration exceeds ESL or RSL

RED Laboratory detection limit exceeds ESL or RSL

Y Chromatogram pattern does not resemble standard

² Regional Screening Level. Federal EPA - June 2011.

< Not detected at or above the laboratory detection limit.

NE None Established



Table 9. Analytical Results of Verification Soil Samples - Vaults 1 & 2

(Concentrations in mg/Kg [ppm])

Sample ID	Depth (feet) below original ground surface*	TPH as Gasoline	TPH as Diesel	Lead	MTBE	ВТЕХ	DIPE	TAME	ETBE	ТВА	Ethanol (EtOH)	EDB	EDC
VAULT 1 BOTTOM	8 - 8 1/2	<0.27	1.3	6.9	<0.0054	ND	<0.0054	<0.0054	<0.0054	<0.0054	<0.54	< 0.0054	< 0.0054
VAULT 2 SW-1	6 - 6 1/2	0.39	29	4	<0.0062	ND	<0.0062	<0.0062	<0.0062	<0.012	<0.62	< 0.0062	< 0.0062
VAULT 2 SW-2	6 - 6 1/2	<0.21	26	4.7	< 0.0042	ND	<0.0042	<0.0042	<0.0042	< 0.0042	<0.420	< 0.0042	<0.0042
VAULT 2 SW-3	6 - 6 1/2	5.00	<0.98	5.2	<0.0045	ND	<0.0045	<0.0045	<0.0045	<0.0045	< 0.45	< 0.0045	<0.0045
VAULT 2 SW-4	6 - 6 1/2	<0.29	800	3.9	< 0.0059	ND	< 0.0059	< 0.0059	<0.0059	< 0.0059	< 0.59	<0.0059	< 0.0059
VAULT 2 SW-4A	6 - 6 1/2	1.60	130	4	<0.0043	ND	< 0.0043	<0.0043	<0.0043	< 0.0043	< 0.43	< 0.0043	< 0.0043
VAULT 2 BOTTOM	8 - 8 1/2	<0.28	12	7.8	<0.0056	ND	<0.0056	<0.0056	<0.0056	<0.0056	<0.56	< 0.0056	< 0.0056
Residential I	ESL ¹	110	110	80ª	0.023	various	NE	NE	NE	NE	NE	0.00033	0.0045
Residential F	RSL ¹	NE	NE	400	43	various	2,400	NE	NE	NE	NE	0.034	0.43

- 1 Environmental Screening Level. California Regional Water Quality Control Board SF Bay Region. May 2008
- 2 Regional Screening Level. Federal EPA June 2011.
- a California Human Health Screening Level (CHHSL), CalEPA September 2009
- * Original (post demolition) ground surface prior to excavation activities
- < Not detected at or above the laboratory detection limit.
- NE None Established
- BOLD Detected concentration exceeds ESL or RSL
- RED Laboratory detection limit below ESL or RSL
- ND Not detected at or above the laboratory detection limit.
- Gray Indicates soil was excavated and removed from the Site



Table 10. Analytical Results of Selected Vault 2 Soil and Concrete Samples - Metals

(Concentrations in mg/Kg [ppm])

Sample ID	Arsenic	Barium	Cadmium	Total Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Vanadium	Zinc
VAULT 2 INSIDE	4.4	140	1.5	34	9.8	91	150	0.35	31	8.0	1.5	27	560
VAULT 2 SP-(1,2,3,4)	4.1	130	<0.50	35	9.7	18	21	0.044	43	<4.0	<0.99	28	44
VAULT 2 CONCRETE	5	220	<0.48	33	7.8	26	43	0.072	33	<3.8	<0.96	33	40
TTLC California Hazardous Waste Limit	500	10,000	100	2,500	8,000	2,500	1,000	20	2,000	100	500	2,400	5,000

Note Other CAM 17 metals were not detected

TABLE 1
PREVIOUS SITE INVESTIGATION SOIL SAMPLE ANALYTICAL DATA - TPH, BTEX & MTBE

	Sample I.D.	Date	Depth	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
	Sample 1.D.	Date	(ft bgs)	←			- Analy	tical Results	(mg/kg)		→
	B-1-S-2.0	7/2/2007	2.0	67	15	4	-	-		, — I	
	B-1-S-5.0	7/2/2007	5.0	3.2	3.3	1.1	1.60	-			_
	B-1-S-6.5	7/2/2007	6.5	11,000	5,900	67	1 - 2 - 1				-
2	B-2-S-2.0	7/2/2007	2.0	15,000	4,600	37	-		-		- 4
_ 4	B-2-S-5.0	7/2/2007	5.0	7,000	2,000	ND<1.0					
8	B-2-S-6.5	7/2/2007	6.5	1.2	ND<1.0	ND<1.0		-	-		15.1
	B-3-S-2.0	7/2/2007	2.0	18	ND<2.0	ND<1.0	-		-3		-
	B-4-S-2.0	7/2/2007	2.0	8.4	1.9	ND<1.0		-			2-
	B-4-S-5.0	7/2/2007	5.0	2	1.2	ND<1.0					34
	B-4-S-8.0	7/2/2007	8.0	5,100	5,600	410					
	B-5-S-2.0	7/2/2007	2.0	1.5	ND<1.0	ND<1.0	-	-			-
→ 8	B-7-S-2.0	7/2/2007	2.0	1,900	380	13			-		-
8 _	B-8-S-2.0	7/2/2007	2.0	2.1	1.2	ND<1.0		- 4			
	B-8-S-8.0	7/2/2007	8.0	23	14	14		34	-		-
<u>+</u>	MW-6-S-2.0	7/2/2007	2.0	1,200	760	1.7		-			-10-5
	MW-6-S-5.0 MW-6-S-6.5	7/2/2007 7/2/2007	5.0 6.5	1,500 2,000	850 1,300	34 54	-				-
	IVI VV -0-3-0.5	11212001	0,5	2,000	1,500	24					
	MW-7-S-2.0	7/2/2007	2.0	770	74	ND<1.0					14 mg -
	MW-7-S-5.0	7/2/2007	5.0	34	ND<5.0	ND<1.0	_ =				
	MW-7-S-7.5	7/2/2007	7.5	16	ND<2.0	ND<1.0		_	~		-
	MW-8-S-2.0	7/2/2007	2.0	110	140	5,700	•••	-			
	MW-8-S-5.0	7/2/2007	5.0	14,000	16,000	5,200			-		
11/2	MW-8-S-6.5	7/2/2007	6.5	1,700	1,600	3,800	44				

B-2 and B-7 are within Ashland Youth Center site. The remaining boning locations are in other parcels. Ninyou Moore

Prior Site Investigation Soil Tables 1, 2 xls

Page 1 of 2

TABLE 2
PREVIOUS SITE INVESTIGATION SOIL SAMPLE ANALYTICAL DATA - VOCs

Sample ID	Date	Depth (ft bgs)	Acetone	2-Butanone	Carbon disulfide	Isopropyl- benzene	n-Propyl- benzene	tert-Butyl- benzene	n-Butyl- benzene	Naphthalene	Other VOCs
			+				Analytical	Results (mg/kg) ———		
MW-9-2	10/1/2008	2.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<,002	ND<.002	ND<.002	ND
MW-9-5	10/1/2008	5,0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
MW-9-10	10/1/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-2	10/2/2008	2.0	0.340	0.070	0.0045	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-5	10/2/2008	5.0	0.050	0.0071	0.0029	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-10	10/2/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-2	10/2/2008	2.0	ND<.002	ND<,002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-5	10/2/2008	5.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-10	10/2/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-11-3	10/2/2008	3.0	1.200	2.600	ND<.200	0.400	1.100	0.200	2.100	2.700	sec-Butylbenzene (1.700)
SB-11-8	10/2/2008	8.0	0.460	2.100	ND<.200	1.100	4.400	0.780	26.000	15.000	sec-Butylbenzene (10.000)
SB-11-11	10/2/2008	11.0	ND<.002	ND<,002	ND<.002	ND<.002	ND<,002	ND<.002	ND<.002	ND<.002	ND
SB-12-2	10/2/2008	2.0	1.300	2.600	ND<.200	0.990	2.300	ND<.200	1.900	4.000	1,3,5-Trimethylbenzene (7.000) 4- Isopropyltoluene (1.300) 1,2,4- Trimethylbenzene (1.600)
SB-12-5	10/2/2008	5.0	0.050	0.010	0.0069	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-12-10	10/2/2008	10.0	0.0053	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND

Notes and Abbreviations:

ft bgs = feet below ground surface

VOCs analyzed using EPA Method 8260B

mg/kg = miligrams per kilogram

ND< X = not detected, below laboratory reporting limit of X

ND = not detected

All boning locations on this page are within the Ashland Youth Center site.

 ${\bf TABLE~1}$ PREVIOUS SITE INVESTIGATION SOIL SAMPLE ANALYTICAL DATA - TPH, BTEX & MTBE

Sample I.D.	Date	Depth (ft bgs)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
			◆ Analytical Results (mg/kg) —							
MW-9-2	10/1/2008	2.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
MW-9-5	10/1/2008	5.0	ND<1.0	-	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
MW-9-10	10/1/2008	10.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-2	10/2/2008	2.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-5	10/2/2008	5.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-10	10/2/2008	10.0	ND<1.0	100	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-2	10/2/2008	2.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-5	10/2/2008	5.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-10	10/2/2008	10.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-11-3	10/2/2008	3.0	1,200		30	ND<0.002	ND<0.002	ND<0.002	ND<0.004	0.320
SB-11-8	10/2/2008	8.0	2,300		80	ND<0.002	ND<0.002	ND<0.002	ND<0.004	0.310
SB-11-11	10/2/2008	11.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-12-2	10/2/2008	2.0	1,000		40	0.390	6.800	3.200	26.800	0.340
SB-12-5	10/2/2008	5.0	ND<1.0		ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-12-10	10/2/2008	10.0	ND<1.0	- P	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005

Notes and Abbreviations:

ft bgs = feet below ground surface

TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B

kerosene analyzed by EPA Method 8015B

TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B

BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B

MTBE = methyl tert butyl ether analyzed by EPA Method 8260B

mg/kg = miligrams per kilogram

-- = not analyzed, not available, not applicable

ND < X = not detected, below laboratory reporting limit of X

All boning locations on this page are within the Ashland Youth Center site

TABLE 7

POST-EXCAVATION SOIL SAMPLE LABORATORY ANALYTICAL RESULTS

POLYCHLORNIATED BIPHENYLS CONFIRMATION AND STOCKPILE SAMPLE ANALYTICAL RESULTS

		Analyte								
Sample ID	Sample Collection Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
Residential Land Use	220	220	220	220	220	220	220	220	220	
		Analytical Results (ug/kg)								
Area C Composite 1	9/2/2009	< 0.016	< 0.033	<0.016	< 0.016	< 0.016	<0.016	25	<0.016	< 0.016
Area C Composite 2	9/2/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	88	<0.016	<0.016
Area C Composite 3	9/2/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	<0.16	<0.016	<0.010
Area C Composite 4	9/2/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	<0.16	<0.016	<0.010
Area C Composite 5	9/2/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	27	<0.016	<0.016
Area C Composite 6	9/2/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	150	<0.016	< 0.016
Area C preexisting stockpile	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	3600	<0.016	<0.010
Area C Composite 7	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	500	<0.016	<0.01
Area C Composite 10	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	2000	<0.016	<0.016
Area C Composite 11	9/3/2009	<0.016	<0,033	<0,016	<0.016	<0.016	<0.016	950	<0.016	<0.01
Area C Composite 12	9/3/2009	<0.016	<0.033	<0.016	< 0.016	<0.016	<0.016	2900	<0.016	<0.01
Area C Composite 13	9/3/2009	< 0.016	<0.033	<0.016	<0.016	<0.016	<0.016	53	<0.016	<0.01
Area C Composite 14	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	9100	<0.016	<0.010
Area C Composite 15	9/3/2009	<0.016	< 0.033	<0.016	<0.016	<0.016	160	790	<0.016	<0.010
Area B stockpile composite	9/3/2009	<0.016	<0.033	<0.016	<0.016	< 0.016	<0.016	69	<0.016	<0.016
Area A stockpile composite	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	37	<0.016	<0.016
Area A stockpile composite 2	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	89	<0.016	<0.016
Area A stockpile composite 3	9/3/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	25	<0.016	<0.016
Area A stockpile composite 4	9/4/2009	<0.016	<0.033	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016

Ashland Youth > Center Site

Notes and Abbreviations:

ug/kg = micrograms per kilogram

ESLs = San Francisco Bay RWQCB Environmental Screening Levels - Table A Residential Land Use

Bold indicates exceedence of laboratory detection limit

Shading indicates exceedence of ESL

PCBs = Polychlorniated Biphenyls

TABLE 6
POST-EXCAVATION SOIL SAMPLE LABORATORY ANALYTICAL RESULTS
TPH-D AND TPH-G CONFIRMATION AND STOCKPILE SAMPLE ANALYTICAL
RESULTS

	Sample	Sample	Ana	lytes
Sample I.D.	Collection	Depth	TPH-D	TPH-G
	Date	(ft bgs)		esults (mg/kg)
Residential Land Use	ESL (mg/kg)	CARADY EC	83	83
CELL B2	NFIRMATION	SAMPLES		
Confirmatory SW B2	9/2/2009	3.0	<1.0	<1.0
Confirmatory NW B2	9/2/2009	3.0	30	<1.0
Confirmatory NE B2	9/2/2009	3.0	1.4	<1,0
Confirmatory SE B2	9/2/2009	3.0	<1.0	<1.0
Confirmatory floor B2 e-sample confirmatory floor B2	9/2/2009 9/9/2009	6.0	210 9.1	1.3 NA
	31312003	1 0.0	214	1111
CELL B1 Confirmatory SE B1	9/2/2009	3.0	51	<1.0
Confirmatory SW B1	9/2/2009	3.0	27	1.3
Confirmatory NW B1	9/2/2009	3.0	5.3	<1.0
Confirmatory NE B1	9/2/2009	3.0	3.7	<1.0
Confirmatory floor B1	9/2/2009	6.0	47	<1.0
CELL A2				
Confirmatory S A2	9/3/2009	5.0	<1.0	<1.0
Confirmatory W A2	9/3/2009	5.0	<1.0	<1.0
Confirmatory N A2	9/3/2009	5.0	82	2.9
Confirmatory E A2	9/3/2009	5.0	<1.0	<1.0
Confirmatory floor A2	9/3/2009	10.0	8.6	3.9
CELL A1				
Confirmatory S A1	9/4/2009	5,0	<1.0	<1.0
Confirmatory W A1	9/4/2009	5.0	<1.0	<1.0
Confirmatory E A1	9/4/2009	5,0	1	<1.0
Confirmatory N A1	9/4/2009	5.0	<1.0	<1,0

Holland Park Site ROZIZ

AYC Site

R03078

9/4/2009

10.0

Confirmatory floor A1

<1.0

TABLE 6

POST-EXCAVATION SOIL SAMPLE LABORATORY ANALYTICAL RESULTS TPH-D AND TPH-G CONFIRMATION AND STOCKPILE SAMPLE ANALYTICAL RESULTS

		Sample	Sample	Ana	lytes
	Sample I.D.	Collection	Depth	TPH-D	TPH-G
		Date	(ft bgs)	Analytical R	esults (mg/kg
	Residential Land Us	e ESL (mg/kg)		83	83
	V.		120000		
		STOCKPILE SA		333	
	Area C Composite 1	9/2/2009	n/a	200	<1.0
	Area C Composite 2	9/2/2009	n/a	85	<1.0
	Area C Composite 3	9/2/2009	n/a	23	<1.0
	Area C Composite 4	9/2/2009	n/a	40	<1.0
	Area C Composite 5	9/2/2009	n/a	200	<1.0
	Area C Composite 6	9/2/2009	n/a	220	<1.0
	Area C Composite 10	9/3/2009	n/a	340	<1.0
	Area C Composite 11	9/3/2009	n/a	490	<1.0
	Area C Composite 12	9/3/2009	n/a	630	<1,0
	Area C Composite 13	9/3/2009	n/a	510	<1,0
	Area C Composite 14	9/3/2009	n/a	470	<1.0
	Area C Composite 15	9/3/2009	n/a	380	<1.0
	Area C preexisting stockpile	9/3/2009	n/a	1000	<1.0
	Area C Composite 7	9/3/2009	n/a	970	1,9
YC SHe-	Area B stockpile composite	9/3/2009	n/a	490	10
	Area A stockpile composite	9/3/2009	n/a	1100	460
	Area A stockpile composite 2	9/3/2009	n/a	2400	290
	Area A stockpile composite 3	9/3/2009	n/a	240	210
	Area A stockpile composite 4	9/4/2009	n/a	1100	1400

TPH-D= Total Petroleum Hydrocarbons as Diesel analyzed by EPA Method 8015B

TPH-G = Total Petroleum Hydrocarbons as Gasoline analyzed by EPA Method 8015B

mg/kg = milligrams per kilogram NA = Not Analyzed

Area C Composites 8 and 9 were not analyzed by the laboratory at the directon of Ninyo & Moore

< X = concentration not detected above laboratory reporting limits of X

ESLs = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels - Table A Residential Land Use, Revised May 2008

Bold indicates concentrations detected greater than laboratory reporting limits

Shading indicates concentrations detected greater than the ESL

ft bgs = feet below ground surface

TABLE 8

POST-EXCAVATION SOIL SAMPLE LABORATORY ANALYTICAL RESULTS
CAM 17 METAL CONFIRMATION AND STOCKPILE SAMPLE ANALYTICAL RESULTS

									Ana	lyte (m	g/kg)								
Sample ID	Sample Collection Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	STLC Analysis
								Analy	tical Re	esults (r	ng/kg)								mg/
Area C Composite 1	9/2/2009	<2.0	<1.0	77	<1.0	<1.0	11	6.3	21	21	11	13	<1.0	<1.0	<1.0	30	53	<0.1	8
Area C Composite 2	9/2/2009	<2.0	<1.0	66	<1.0	<1.0	17	7.5	27	43	11	21	<1.0	<1.0	<1.0	31	66	<0.1	
Area C Composite 3	9/2/2009	<2.0	<1.0	86	<1.0	<1.0	22	5	19	35	7.9	18	<1,0	<1,0	<1.0	26	54	0.22	
Area C Composite 4	9/2/2009	<2.0	<1.0	57	<1.0	<1.0	16	4.5	20	100	7.8	13	<1.0	<1.0	<1.0	25	49	0.18	1.6
Area C Composite 5	9/2/2009	<2.0	<1.0	50	<1.0	<1.0	9.4	9.2	37	28	14	8.7	<1.0	<1.0	<1.0	55	73	0.21	
Area C Composite 6	9/2/2009	<2.0	<1.0	57	<1.0	<1.0	21	7.3	25	31	12	15	<1.0	<1.0	<1.0	38	51	<0.1	-
Area C preexisting stockpile	9/3/2009	<2.0	<1.0	61	<1.0	<1.0	11	6.1	26	41	15	11	<1.0	<1.0	<1.0	21	69	<0.1	
Area C Composite 7	9/3/2009	<2.0	<1.0	76	<1.0	<1.0	17	6.1	22	42	13	21	<1.0	<1.0	<1.0	27	60	<0.1	
Area B stockpile composite	9/3/2009	<2.0	2.3	120	<1.0	<1.0	23	7.2	18	85	11	30	<1.0	<1.0	<1.0	24	53	<0.1	1.3
Area A stockpile composite	9/3/2009	<2.0	1.6	93	<1.0	<1.0	- 26	9	20	13	12	33	<1.0	<1.0	<1.0	28	38	<0.1	
Area A stockpile composite 2	9/3/2009	<2.0	1.3	86	<1.0	<1.0	29	8.8	20	22	11	34	<1.0	<1.0	<1.0	26	50	<0.1	
Area A stockpile composite 3	9/3/2009	<2.0	1.8	96	<1.0	<1.0	23	6.5	15	18	8.6	28	<1.0	<1.0	<1.0	20	36	<0.1	
Area A stockpile composite 4	9/4/2009	<2.0	2	110	<1.0	<1.0	31	8.7	21	13	9,9	36	<1.0	<1.0	<1.0	26	43	<0.1	

Youth Center Site

Notes and Abbreviations:

mg/kg = milligrams per kilogram

ESLs = San Francisco Bay RWQCB Environmental Screening Levels - Table A Residential Land Use

Bold indicates exceedence of laboratory detection limit

*Chromium and Arsenic ESLs are background ranges found by City of Oakland Background Metal Concentration Study

Minyo & Moore

TABLE 5 PREVIOUS SITE INVESTIGATION SOIL VAPOR ANALYTICAL DATA - VOCs

	S SITE INVESTIG	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ole ID	03	
	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6
Analyte	4		Analytical Re	*****	57-5	51.0
1,1 - Dichloroethene	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<10
1,1,1,2-Tetrachloroethane	ND<3,4	ND<3.4	ND<34	ND<3.4	ND<3.4	ND<170
1,1,1-Trichloroethane	ND<2.7	ND<2.7	ND<41	ND<2.7	ND<2.7	ND<14
1,1,2,2-Tetrachloroethane	ND<3,4	ND<3.4	ND<52	ND<3,4	ND<3.4	ND<170
1,1,2-Trichloroethane	ND<2.7	ND<2.7	ND<52	ND<2.7	ND<2.7	ND<14
1,1-Dichloroethane	ND<2.0	ND<2.0	ND<34	ND<2.0	ND<2.0	ND<10
1,1-Difluoroethane	ND<27	ND<27	ND<1400	ND<27	ND<27	ND<140
1,2,4-Trichlorobenzene	ND<3.6	ND<3.6	ND<25	ND<3,6	ND<3.6	ND<180
1,2,4-Trimethylbenzene	ND<2.5	ND<2.5	ND<44	ND<2.5	ND<2.5	ND<120
1,2-Dibromoethane(Ethylene dibromide)	ND<3.8	ND<3.8	ND<54	ND<3,8	ND<3.8	ND<19
1,2-Dichlorobenzene	ND<3.0	ND<3.0	ND<30	ND<3.0	ND<3.0	ND<150
1,2-Dichloroethane	ND<2.0	ND<2,0	ND<32	ND<2.0	ND<2.0	ND<10
1,2-Dichloropropane	ND<2.3	ND<2,3	ND<51	ND<2.3	ND<2.3	ND<12
1,3,5-Trimethylbenzene	ND<2.5	ND<2.5	ND<34	ND<2.5	ND<2.5	ND<120
1,3-Butadiene	ND<4.4	ND<4.4	ND<30	ND<4.4	ND<4.4	ND<22
1,3-Dichlorobenzene	ND<3.0	ND<3,0	ND<18	ND<3,0	ND<3,0	ND<150
1,4-Dichlorobenzene	ND<3,0	ND<3.0	ND<33	ND<3.0	ND<3.0	ND<150
1,4-Dioxane	ND<1,8	ND<1.8	ND<25	ND<1.8	ND<1.8	ND<130
2-Butanone (MEK)	13	11	ND<22	4.3	6,2	ND<7.4
2-Hexanone	ND<2.0	ND<2.0	ND<43	ND<2.0	ND<2.0	ND<7.4 ND<10
4-Ethyl Toluene	ND<2,5	ND<2.5	ND<37	ND<2.5	ND<2.5	ND<120
4-Methyl-2-Pentanone (MIBK)	ND<2.0	ND<2.0	ND<33	ND<2.0	ND<2.0	ND<120
Acetone	59	95	610	86	54	460
Benzene	2	ND<1,6	ND<45	ND<1,6	ND<1.6	ND<8
Bromodichloromethane	ND<3,4	ND<3,4	ND<44	ND<3.4	ND<3,4	ND<17
Bromoform	ND<5,2	ND<5.2	ND<88	ND<5,2	ND<5.2	ND<260
Bromomethane	ND<1.9	ND<1.9	ND<39	ND<1.9	ND<1.9	ND<9.7
Carbon Disulfide	ND<1.6	4.60	ND<25	ND<1.6	ND<1.6	ND<7.8
Carbon Tetrachloride	ND<3.2	ND<3.2	ND<47	ND<3.2	ND<3,2	ND<16
Chlorobenzene	ND<2.3	ND<2.3	ND<21	ND<2,3	ND<2.3	ND<120
Chloroethane	ND<1,3	ND<1.3	ND<20	ND<1.3	ND<1.3	ND<6,6
Chloroform	ND<2,4	ND<2.4	ND<98	ND<2.4	ND<2.4	ND<12
Chloromethane	ND<1.0	ND<1,0	ND<36	ND<1.0	ND<1.0	ND<5.2
cis-1,2-dichloroethene	ND<2,0	ND<2.0	ND<28	ND<2.0	ND<2.0	ND<9.9
cis-1,3-Dichloropropene	ND<2.3	ND<2.3	ND<18	ND<2.3	ND<2.3	ND<11
Dibromochloromethane	ND<4.3	ND<4.3	ND<47	ND<4.3	ND<4.3	ND<21
Dichlorodifluoromethane	ND<2,5	ND<2.5	ND<37	ND<2,5	ND<2.5	ND<12
Diisopropyl ether (DIPE)	ND<2.1	ND<2,1	ND<33	ND<2,1	ND<2.1	ND<12
Ethyl Acetate	ND<1.8	ND<1.8	ND<21	ND<1.8	ND<1.8	ND<9
Ethyl Benzene	ND<2,2	ND<2.2	ND<16	ND<2.2	ND<2.2	ND<110
Ethyl tert-butyl ether (ETBE)	ND<2,1	ND<2.1	ND<33	ND<2,1	ND<2.1	ND<10
Freon 113	ND<3.8	ND<3,8	ND<46	ND<3.8	ND<3,8	ND<19
Hexachlorobutadiene	ND<5,3	ND<5.3	ND<91	ND<5.3	ND<5.3	ND<270
Hexane	ND<14	ND<14	ND<90	ND<14	ND<14	ND<70
Isopropanol*	27	ND<16	ND<82	ND<16	ND<16	ND<82
m,p-Xylene	11	17	ND<25	<2.0	11	ND<100
Methylene Chloride	ND<3.6	ND<3,6	ND<34	ND<3.6	ND<3,6	ND<18
MTBE	ND<1.8	ND<1.8	ND<25	ND<1.8	ND<1.8	50
Naphthalene	ND<2,6	ND<2.6	ND<130	ND<2,6	ND<2,6	ND<130
o-xylene	ND<2.2	ND<2.2	ND<31	ND<2.2	ND<2.2	ND<110
Styrene	ND<2.1	ND<2.1	ND<32	ND<2.1	ND<2.1	ND<110
t-Butyl alcohol (t-Butanol)	ND<6.1	ND<6.1	ND<24	ND<6.1	ND<6.1	ND<30
tert-Amyl methyl ether (TAME)	ND<2.1	ND<2.1	ND<33	ND<2.1	ND<2.1	ND<10
Tetrachloroethene (PCE)	ND<3.4	ND<3.4	ND<64	ND<3.4	ND<3.4	ND<17
Toluene	15	16	ND<26	3.2	19	ND<9.4
trans-1,2-Dichloroethene	ND<2.0	ND<2.0	ND<28	ND<2.0	ND<2.0	ND<9,9
Trichloroethene	ND<2.7	ND<2.7	ND<26	ND<2.7	ND<2.7	ND<13
Trichlorofluoromethane	ND<2.5	ND<2,5	ND<35	ND<2.5	ND<2,5	ND<12
Vinyl Acetate	ND<1.8	ND<1.8	ND<32	ND<1.8	ND<1.8	ND<8.8
Vinyl Chloride	ND<1.3	ND<1.3	ND<12	ND<1.3	ND<1.3	ND<6.4
Notes:		,		- 1 74,	2127 22,2	1,12,70'4

Notes:
ND< X = not detected, below laboratory reporting limit of X

ATTACHMENT 5

μg/m³ = micrograms per cubic meter
Soil gas samples analyzed using US EPA Method TO-15
* indicates Isopropanol was used as a leak detection compound.
Bold indicates analysis above laboratory reporting limits

Table 1. Analytical Results of Selected Soil Vapor Samples - TPHg and VOCs

			(C	oncentrati	ons in μg	/m³)									
Sample Location	Date	Depth (feet)	ТРН	Acetone	2-Propanol	Carbon Disulfide	Hexane	cis-1,2 Dichlorenthene	Cyclohexane	2,2,4- Trimethylpentane	Benzene	Heptane	Trichloroethene (TCE)	Tetrachloroethene	m,p-Xylene
	4/6/2012		<160	28	<7.5	21	<2.7	<3.0	<2.6	<3.6	<2.4	<3.1	<4.1	<5.2	3.6
SV-1	5/4/2012	5	290	<18	<7.5	<9.5	<2.7	<3.0	<2.6	<3.6	<2.4	<3.1	<4.1	<5.2	<3.3
3V-1	6/6/2012	5	<150	<18	<7.3	<9.3	<2.6	<3.0	<2.6	<3.5	<2.4	<3.0	<4.0	<5.0	<3.2
	7/9/2012		<160	<18	<7.5	<9.5	<2.7	<3.0	<2.6	<3.6	<2.4	<3.1	<4.1	28	<3.3
	4/6/2012					1-4-									
SV-2	5/4/2012	5	1,700	<75	<31	<39	<11	<12	<11	<15	10	<13	<17	<21	<14
SV-2	6/6/2012	5	1,700	<19	11	<9.8	3.8	<3.1	<2.7	<3.7	6.3	<3.2	<4.2	23	<3.4
	7/9/2012		<160	<19	<7.9	<10	3.5	3.4	<2.8	<3.8	2.6	<3.3	<4.3	30	<3.5
	4/6/2012		1,200,000	<1,500	<620	<780	3,200	<250	2,900	69,000	200	790	340 J	<430	<270
CV 2	5/4/2012	5	1,600,000	<480	<200	<250	2,600	<80	<69	72,000 E	<64	720	<110	<140	<87
SV-3	6/6/2012	5	1,100,000	<1,900	<800	<1,000	2,000	<320	1,300	64,000	<260	<330	<440	<550	<350
	7/9/2012		1,300,000	<760	<320	<400	1,400	<130	730	66,000 E	<100	<130	<170	<220	<140
Residentia	l Soil Vapor Cl	HHSL ¹	10,000 ²	660,000 ²	NE	NE	NE	41,000	NE	NE	85	NE	1,300	470	850,000

- 1 California Human Health Screening Level (CHHSL) Cal/EPA September 2010
- 2 Environmental Screening Level (ESL) SF Bay Regional Water Board May 2008 Table E2
- < Not detected at or above laboratory reporting limit
- J Laboratory approximate value
- E Exceeds laboratory instrument calibration range
- BOLD Concentration exceeds CHHSL or ESL
- --- Probe not sampled due to water in the tubing
- Red Indicates detection limit that exceeds screening level



Table 1. Analytical Results of Selected Vent Riser Samples

(Concentrations in µg/m³)

Sample Location	Date	ТРН	Benzene	Freon-12	Ethanol	Acetone	2-Propanol	Carbon Disulfide	Hexane	2-Butonone (Methyl Ethyl Ketone)	Cyclohexane	Heptane	4-Methyl-2- penatone	Toulene	2-Hexanone	Ethyl Benzene	m,p-Xylene	o-Xylene	Styrene	Cumene	4-Ethyltoluene
V-1	7/18/2012	2,500	<2.5	<3.9	<6.0	230	<7.8	25	3.6	13	3.0	3.9	17	5.4	<13	3.5	3.4	<3.4	28	<3.9	<3.9
V-1	9/18/2012	2,200	<38	<5.9	<9.0	79	<12	85	6.7	<14	<4.1	<4.9	<4.9	<4.5	<19	<5.2	<5.2	<5.2	<5.1	<5.8	5.9
V-2	7/18/2012	3,300	<2.5	<3.9	36	96	<7.8	23	4.8	13	<2.7	14	9	5.3	<13	5.9	8.3	3.7	42	<3.9	<3.9
V-2	9/18/2012	3,800	<3.6	<5.7	<8.6	<27	<11	240	6.9	<14	4.1	<4.7	5	9.1	<19	<5.0	11	<5.0	11	< 5.6	<5.6
V-3	7/18/2012	2,200	<2.5	160	<5.8	160	10	56	3	12	4.9	<3.2	18	7	<13	16	4.8	<3.4	140	7.3	<3.8
V-3	9/18/2012	5,000	<3.7	<5.8	<8.8	880	22	190	8.4	45	4.6	7.7	24	4.4	38	13	19	12	75	<5.7	<5.7
V-4	7/18/2012	2,500	<2.5	3.9	<6.0	120	<7.8	20	5.0	13	7.5	3.3	5.1	3.3	<13	3.6	<3.4	<3.4	28	<3.9	<3.9
V-4	9/18/2012	7,200	<3.6	<5.5	11	80	<11	92	5.7	<13	5	5	6.2	5.9	<18	<4.9	<4.9	<4.9	16	15	<5.5
	7/18/2012	840	<2.5	<3.9	<6.0	26	<7.8	39	4.5	<9.3	4.2	<3.2	<3.2	3.8	<13	<3.4	<3.4	<3.4	18	<3.9	<3.9
V-5	9/18/2012	5,000	<3.8	<5.9	<9.0	46	<12	110	11	<14	4.1	8.7	<4.9	8.9	<19	6.5	26	9.9	9.5	<12	<5.8
	al Soil Vapor HHSL ¹	10,000 ²	85	NE	NE	660,000 ²	NE	NE	NE	NE	NE	NE	NE	320,000	NE	1,100	850,000	740,000	190,000	NE	NE

¹ California Human Health Screening Level (CHHSL) - Cal/EPA - September 2010

² Environmental Screening Level (ESL) - SF Bay Regional Water Board - May 2008 - Table E2

< Not detected at or above laboratory reporting limit

NE Not Established



Table 2. Analytical Results of Selected Vent Riser Vapor Samples - Oxygen, Methane, and Carbon (Concentrations in %)

Sample	Date	Oxygen	Methane	Carbon
V-1	7/18/2012	21	<0.00022	0.073
V-1	9/18/2012	21	<0.00024	0.042
V 2	7/18/2012	20	<0.00022	0.075
V-2	9/18/2012	15	<0.00023	0.023
V-3	7/18/2012	21	0.00031	0.039
V-3	9/18/2012	20	<0.00023	0.074
V-4	7/18/2012	20	0.00022	0.047
V-4	9/18/2012	20	0.00023	0.12
V-5	7/18/2012	21	0.00024	0.052
V-5	9/18/2012	18	0.00025	0.097

TABLE 2
GROUNDWATER ANALYSIS DATA

Well Number	Date sampled	TPHG (ppb)	Benzene (ppb)	Toluene (dqq)	Ethyl Benzene (ppb)	Total Xylenes (ppb)	TPHD (ppb)	TRPH (ppb)	MTBE
MVV-1	4/9/96						The state of the s	(ppu)	(ppb)
men-1	7/12/96	33,000	12	83	22	91	9.700	N.R.	6270
-	10/22/96	1,400	17	5.6	7.6	32	3,400	N.R.	N/A N/A
	1/30/97	2,500	16	8.9	2.1	6.6	14,000	N.R.	
	4/4/97	2,600	6.4	<0.6	<0.5	44	2,800	N.R.	N/A
	7/22/97	2,700	16.0	8	10	25	600	N.R.	N/A
	10/14/97	180	1.1	<0.5	1.3	2.6	4,400	N.R.	N/A N/A
	1/13/98	630	14.0	<0.5	<0.5	8	100	N.R.	N/A
	4/7/98	150	5.0	<0.6	<0.5	<0.5	<50	N.R.	N/A
	4//56	1,400	13	2	2	7	100	N.R.	<0.5
VIV-2	4/9/96	6,900						PLIN.	<0.5
	7/12/96	480	<0.5	<0.5	4.8	160	8,900	N.R.	N/A
	10/22/96	7,300	<0.5	<0.5	3.7	10	4,600	N.R.	N/A
	1/30/97	<60	<0.5	<0.5	20	15	9,200	N.R.	N/A
	4/4/97	63	<0.5 <0.5	<0.5	<0.5	<0.5	2,000	N.R.	N/A
	7/22/97	70		<0.5	2	<0.5	60	N.R.	N/A
	10/14/97	<50	<0.5	<0.5	<0.5	1.5	2.700	N.R.	N/A
7 - 7	1/13/98	<50	<0.5 <0.5	<0.5	<0.5	<0.6	10	N.R.	N/A
	4/7/98	<50	<0.5	<0.5	<0.5	11	<50	N.R.	N/A
		100	<0.5	<0.5	<0.5	<0.5	<50	N.R.	<0.5
IW-3	4/9/B6	<50	<0.5				The second second	7	
	7/12/98	<50	<0.5	<0.5	<0.5	<0.5	1,100	41,000	N/A
	10/22/96	<50	<0.5	<0.5	<0.5	<0.5	380	N.R.	N/A
	1/30/97	<50	<0.5	<0.5 <0.5	<0.5	<0.5	4,700	1,100	N/A
	4/4/97	<50	<0.5	<0.5	<0.5	<0.5	460	3	N/A
	7/22/97	<50	<0.5	<0.5	<50	<50	<50	<500	N/A
	10/14/97	<60	<0.5	<0.5	<50	<50	<50	<5,000	N/A
	1/13/98	<50	<0.5	<0.5	<50	<50	<50	<10,000	N/A
	4/7/98	<50	<0.5	<0.5	<50	<50	<50	N.R.	N/A
			10,0	40.5	<0.5	<0.6	<50	<50	<0.6
B-1	4/9/96	<50	<0.5	0.5					
	7/12/96	N.R	N.R	N.R	<0.5	0.83	N.R	N.R	N.R
	10/22/96	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
	1/30/97	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
	4/4/97	N.R	N.R	N.R	N.R	N.R	N.R	N.R	N.R
	7/22/97	N.R	N.R	N.R	N.R N.R	N.R	N.R	N.R	N.R
	10/14/97	<50	<0.5	<0.5		N.R	N.R	N.R	N.R
V	1/13/98	N.R	N.R	N.R	<0.5	<0.5	N.R	N.R	N.R
	4/7/98	N.R	N.R	N.R	N,R N,R	N.R N.R	N.R N.R	N.R	N.R

TRPH Total Recoverable Petroleum Hydrocarbons
TPHD Total Petroleum Hydrocarbons as Diesel
TPHG Total Petroleum Hydrocarbons as Gasolina

ppb Parts-per-billion

Selow laboratory detection limit

MW-3 is the only well within Ashland Youth Center site Current Department of Health Services Drinking Water Standards

Benzene Toluene Ethylbenzene Xylenes

Note: Subject to change as reviewed by Department of Health Services

MCL: Maximum Contaminant Level AL: Action Level

ATTACHMENT 6



	Table 4 - G				ple ID		- 3		· · · · · · · · · · · · · · · · · · ·		
		T	1	Sam	pie iD			1			T
	MW-1-GW	MW-2-GW	MW-3-GW	MW-4-GW	MW-5-GW		MW-7-GW	MW-8-GW	B-9-GW	B-10-GW	B-11-GW
Analytes						cal Results	4-2-				
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0,5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0,5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	82	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane	<0.5	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	0.51	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.3.5-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	30	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	3,1	<0.5	<0.5	<0.5	<0.5	<0.5
1.3-Dichloropropane	<0.5	<0.5	<0,5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.4-Dichlorobenzene	0.51	<0.5	<0.5	0.51	<0.5	9.1	<0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Isopropyltoluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.5	<0.5	<0.5	<0.5
Benzene	3	<0.5	<0.5	3.7	<0.5	11	<0.5	110	<0.5	<0.5	<0.5
Bromobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<0.5	<0.5	<0.5	<0.5	<0.5	<0,5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0,84	<0.5	<0.5	1.7	<0.5	2.1	0.94	3.8	<0.5	<0.5	<0.5
Chloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<0.5
cis-1.2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

				Sam	ple ID						
	MW-1-GW	MW-2-GW	MW-3-GW	MW-4-GW	MW-5-GW	MW-6-GW	MW-7-GW	MW-8-GW	B-9-GW	B-10-GW	B-11-GW
Analytes		1	•		Analyti	cal Results	μg/l)				
Ethylbenzene	1.3	<0.5	<0.5	<0.5	<0.5	0.71	<0.5	76	<0.5	<0.5	<0.5
Hexachlorobutadiene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	51	0.68	<0.5	20	1.8	20	<0.5	12	<0.5	<0.5	<0.5
m,p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	190	<1.0	<1.0	<1.0
Methylene chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MTBE	<0.5	<0.5	<0.5	13	6.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	38	<0.5	<0.5	<0.5
n-Butylbenzene	27	<0.5	<0.5	7.9	<0.5	5.4	<0.5	7.2	<0.5	<0.5	<0.5
n-Propylbenzene	130	0.6	<0.5	42	2.3	32	<0.5	30	<0.5	<0.5	<0.5
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<0.5	25	<0.5	<0.5	<0.5
sec-Butylbenzene	25	0.52	<0.5	12	0.94	7	<0.5	2.5	<0.5	<0.5	<0.5
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	1.9	<0.5	<0.5	1.2	0.51	0.57	<0.5	0.59	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	<0.5	6,8	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

µg/l = micrograms per liter

bold indicates value above the detection limit

< indicates values below detection limits

Samples analyzed using EPA Method 8260B

TABLE 4
PREVIOUS SITE INVESTIGATION GROUNDWATER SAMPLE ANALYTICAL DATA - PAHS

Monitoring	C1-1-D	Comple Bods	Depth to	Groundwater	Acenaphthene	Flourene	Naphthalene	Phenanthrene	Other PAHs
Well ID (toc elev)	Sample I.D.	Sample Date	Groundwater (ft btoc)	Elevation (ft msl)	+		Analytical Results	(μg/L)	
Monitoring We	ell Groundwater S	Samples							
MW-1	MW-1-GW	7/10/2007	8.22	28.37	0.52	0.63	ND<0.2	ND<0.2	ND
36.59									
MW-2	MW-2-GW	7/9/2007	8.41	28.92	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
37.33									•
MW-3	MW-3-GW	7/10/2007	8.11	29.27	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
37.38		-							
MW-4	MW-4-GW	7/10/2007	8.38	28.39	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
36.77								VIII.	
MW-5	MW-5-GW	7/10/2007	8.21	28.03	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
36.24						1			
MW-6	MW-6-GW	7/9/2007	8,25	28.90	0.37	1.1	ND<0,2	1.1	ND
37.15									
MW-7	MW-7-GW	7/10/2007	8.24	28.58	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
36.82									
MW-8	MW-8-GW	7/9/2007	8.16	28.65	ND<0.2	0.29	40	0.32	· ND
36.81									

Notes and Abbreviations:

PAHs = polycyclic aromatic hydrocarbons analyzed by EPA Method 8270C-SIM

ft btoc= feet below top of casing

ft msl = feet above mean sea level

μg/L = micrograms per liter

-- = not analyzed, not available, not applicable

ND < X = not detected, below laboratory reporting limit of X

inyo a	& Moore						Ť												Project # 40.
BLE 1. MC	NITORING WE	LL GROUNDWAT	ER ANALYTICAI	L DATA - TE	PH & VOCs -	Former Hollan	nd Oil Facility	, 16301 East 1	4th Street, San	Leandro, Cal	ifornia								
Well ID	Sample Date	Depth to Groundwater	Groundwater Elevation	TPH-d	Kerosene	трн-д	Benzene	Toluene	Ethyl- benzene	Total Xylenes	мтве	1.4-Dichloro- benzene	Chloro- benzene	Isopropyl- benzene	n-Butyl- benzene	n-Propyl- benzene	sec-Butyl- benzene	tert-Butyl- benzene	Other VOCs
oc ciery		(ft btoc)	(ft msl)	-								Analytical l	Results (µg/L)						
MW-1	7/10/2007	8.22	28.37	1.100	800	1.700	3	ND<0.5	1.3	ND<1.5	ND=0.5	0.51	0.84	51	27.0	130	25	1.9	ND
36.59	10/13/2008	8.73	27.86	550	-	440	ND<1.0	ND<1.0	ND-1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5,5	30	ND<1.0	ND<1.0	ND
	1/22/2009	8.25	28.34	500	P	930	ND<1,0	ND<1.0	ND<1.0	ND<1.0	ND=0.5	ND≤1.0	ND<1.0	20	5.6	40	7.9	ND<1.0	Naphthalene (2.5); Vinyl acetate (40)
	4/1/2009	7.41	29.18	ND<50	1. J. 1. T.	770	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	10	2.7	20	4.5	ND≈1.0	ND
	9/23/2009	8.84	27.75	2,200	-	910	0.6	ND-:0.5	1	ND<1.0	8,0	ND<1.0	0.9	35	23	78	14	1.4	ND
-	7/9/2007		28.92	210	94	93	ND<0.5	ND-⊲0,5	ND<0.5	ND<1.5	ND-0.5	ND<0.5	ND<0.5	0.68	ND<0.5	0.6	0.52	ND<0.5	ND
TW-2 37.33	10/13/2008	9.04	28.92	ND-:50	94	ND-50	ND<0.3	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND-1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND-1.0	ND
1.33	1/22/2009	8.64	28.69	ND<50	-	ND<0	ND<1.0	ND-1.0	ND-10	ND-1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND-1.0	ND<1.0	ND<1.0	Naphthalene (1.7)
	4/1/2009	7.47	29.86	ND<50		ND<50	ND<1.0	ND<1.0	ND<1.0	ND~1.0	ND-0.5	ND<1.0	ND-:1.0	ND<1.0	ND:1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (3.8)
	9/23/2009			1		1				1V	ELL DEST	ROYED							
						1	1500	T		Lowers	I see a se			1 1 1 1 1 1	\ \mu_ a =	Limini	1 100 0 5	ND=0.5	
TW-3	7/10/2007	8.11	29.27	62	ND<50	ND<50	ND<0,5	ND<0,5	ND<0.5 ND<1.0	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5 ND<1.0	ND<0.5 ND<1.0	ND<0.5	ND<0.5	ND<1.0	ND ND
7.38	10/13/2008	8.77	28 61	ND<50	-	ND<50	ND<1.0	ND<1.0	ND~1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.45	28.93	-	-			ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND-10	ND<1.0	ND ND
	9/23/2009	7,39 8,97	29.99	ND<50 50	-	ND-50	ND<1.0 ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND-1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND=0.5	ND
_	37232007			1		1	-15-315-	1			1.000								
rw-ı	7/10/2007	8,38	28.39	710	400	670	3.7	ND:0.5	ND<0.5	ND<1.5	- 13	0.51	1.7	20	7.9	42	12	1,2	1,2-Dichlorobenzene (0
6.77	10/13/2008	8.89	27.38	660	-	470	2.9	ND<1.0	ND<1.0	ND<1.0	1.9	ND<1.0	1.7	10	5.3	30	ND<1.0	ND<1.0	Carbon disulfide (2): Naphthalene (1.4)
	1/22/2009	3.39	28.38	400	•	350	1.1	ND<1.0	ND-1.0	ND<1.0	1.0	ND<1.0	1.3	6.9	2.3	10	4.0	ND<1.0	ND
	4/1/2009	7.63	29.14	500	-	390	1.0	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	1.1	6.7	1.7	10	ND<1.0	ND<1.0	ND
	9/23/2009	- 9.01	27.76	3,800	-	640	0,5	ND<0.5	ND~0.5	ND<1.0	0.9	0.8	3	16	11	33	11	1.1	1,2-Dichlorobenzene (C
TW-5	7/10/2007	8.21	28.03	380	170	1 170 1	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.9	ND<0.5	ND<0.5	1.8	ND=0.5	2.3	0.94	0.51	ND
6.24	10/13/2008	8.66	27.58	ND-50	-	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (4.9)
0.24	1/22/2009	7.91	28.33	200	_	ND-50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/1/2009	7.53	28.71	ND<50	-	80	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND=1.0	ND=1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.74	27.50	1.800	-	ND<50	ND<0.5	ND-0.5	ND<0.5	ND<1.0	19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0,5	ND<0.5	ND<0.5	ND
													enca n						
VIW-6	7/9/2007	8.25	28.9	1.500	910	780	11	0.64	0.71	2.4	ND<0.5	9.1	2.1	20	5.4	32	7	0.57	1,2-Dichlorobenzene (0. 1,3-Dichlorobenzene (3. 2-Chlorotoluene (1.6
37.15	10/13/2008	8.85	28.30	600		470	7	ND~1.0	ND-1.0	1.1	ND-0.5	6.3	1.6	10	2.8	20	ND-1.0	ND~1.0	1,3-Dichlorobenzene (
	1/22/2009	8.43	28.72	600	A-15-1	550	6.3	ND<1.0	ND<1.0	ND<1.0	ND<0.5	3.4	1.0	6,9	1.3	10	2.3	ND<1.0	1,3-Dichlorobenzene (1 Vinyl acetate (20)
	4/1/2009	7.41	29.74	ND<50	-	680	20	ND≈1.0	ND<1.0	ND<1.0	0,9	ND<1.0	ND<1.0	6.1	1.2	9	ND<1.0	ND<1,0	ND
	9/23/2009	6.44						300 100	APPLICACE	11000	ELL DEST						1		
																Cartini.			
TW-7	7/10/2007	8.24	28.58	510	91	ND<50	ND<0.5	ND<0.5	ND<0,5	ND<1.5	ND:0.5	ND-0.5	0.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND-:0.5	ND
6,82	10/13/2008	8.75	28.07	ND<50	-	ND≈50	ND<1.0	ND=1.0	ND-1.0	ND<1.0	ND::0,5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	1/22/2009	8.22	28.60	ND<50	-	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0,5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/1/2009	7.65	29.17	ND<50	-	ND-50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	9/24/2009	8.97	27.85	1,000		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND:0.5	ND<0.5	ND::0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND

MW-3 and MW-9 were within the Ashland Youth Center site

Ninyo & Moore

Project # 401314005

TABLE 1, MONITORING WELL GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Hotland Oil Facility, 16301 East 14th Street. San Leandre, California

Well ID	Sample Date	Depth to Groundwater	Gronndwater Elevation	трн-ч	Kerasene	трн-д	Benzene	Toluene	Ethyl- benzene	Total Xylenes	мтве	L,4-Dichloro- benzene	Chiero- benzene	Isapropyl- benzene	n-Butyl- henzene	u-Propyl- benzepe	sec-Butyl- benzene	tert-Butyl- benzene	Other VOCs
(toe cier i		(ft btac)	(ft msl)	+						··		Analytical l	Results (µg/L)						
MW-8	7/9/2007	8,16	28.65	790	500	2,100	110	6.8	76	215	ND<0.5	ND-:0.5	3.8	12	7.2	30	2.5	ű, 5 9	(2,4-Trimethylbenzene (82): 1,3.5-Trimethylbenzen (30): 4-(sopropyltoluene (3.5)
36.81	10/14/2008	B.69	28 12	500	-	390	50	1.4	10	23.2	ND≈0.5	ND<1.0	2.6	3.3	ND<1.0	8.6	ND<1.0	ND~1.0	Naphthalene (4.9)
	1/23/2009	8,16	28.65	500	**	1.200	180	3.7	40	67.4	NID∹0.5	ND<1.0	1.7	4.7	ND-1.0	8.9	ND<1.0	NID<1.0	l .2.4-Trimethylbenzene (30); l .3,5-Trimethylbenzen (6.6); Naphthalene (20); Vinyl noetate (30)
	4/2/2009	7,43	29.38	ND<50	-	2,800	140	3.5	60	200	ND<0.5	ND<1.0	ND<1.0	4.4	NID<1.0	10	ND<1.0	0.1>din	1.2,4-Trimethylbenzone (40); 1,3,5-Trimethylbenzon (10); Naphthalene (20);
	9/23/2009							**********	*******************************	W	ELL DEST.	ROYED							
MW-9	10/14/2008	8.11	29.11	ND<50	_	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND:0.5	ND~1,0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND=1.0	ND
37,22	1/23/2009	7.69	29.53	ND<50		ND<50	ND<1.0	ND~1.0	ND<1.0	ND<1.0	ND-:0.5	ND<1.0	ND<1.0	ND<1.0	ND÷1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	6,75	30.47	ND<50	-	ND<50	ND::1.0	ND<1.0	ND-1.0	ND<1.0	ND<0.5	ND∹1.0	ND<1.0	ND<1.0	ND<1.0	ND-1.0	ND<1.0	ND<[.0	ND
	9/23/2009	8.32	28.90	ND<50		ND<50	ND~0.5	ND<0.5	ND<0.5	ND<1.0	ND-:0,5	ND~0.5	ND-0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0,5	ND
MW-10	10/14/2008	8.77	28.02	ND<50		ND-:50	ND-:1,0	ND<1,0	ND~1.0	ND<1.0	ND-0.5	ND<1.0	ND<1.0	ND<1.0	0,1∻QN	ND-1.0	ND<1.0	ND<1.0	ND
36,79	1/23/2009	8.25	28.54	ND<50		ND<50	ND<1.0	ND<1.0	ND<1.0	ND~1.0	ND~0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	7.25	29.54	ND-:50		ND-:50	ND-:1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND∹1.0	ND~1.0	ND~1.0	ND-1.0	ND<1.0	ND<1.0	ND
	9/23/2009	8.82	27.97	ND<50		ND<50	ND<0.5	ND~0.5	ND<0.5	ND~1,0	ND<0.5	ND<0.5	ND∹0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND=0.5	ND
MW-11	10/14/2008	8.35	27.85	ND~50	-	ND-50	ND~1.0	ND~1.0	ND~1.0	ND~1.0	ND-0.5	0.1~DM	ND~1.0	ND~1.0	ND-1.0	ND~1.0	ND~1.0	ND-1.0	Acatone (10); Carbon disulfide (2.4)
36,2	1/23/2009	7.76	28.44	ND<50		ND-:50	ND-1.0	ND~1.0	ND~1.0	ND<1.0	ND::0.5	ND<1.0	ND<1.0	ND<1.0	ND~1.0	ND~1.0	ND<1.0	ND~1.0	ND
30,2	4/2/2009	6.93	29.27	ND:50		ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND:0,5	ND<1.0	ND<1.0	ND~1.0	ND:1.0	ND-:10	ND-:1.0	ND-:1,0	ND
	9/23/2009	8.38	27.82	420	+	ND-:50	ND-:0.5	ND-:0.5	ND:-0.5	ND~1.0	ND:0.5	0.8	ND<0.5	ND<0.5	ND::0.5	ND<0.5	ND-0.5	NID~:0.5	ND
						<u> </u>							·						
MW-12	10/14/2008	8.51	27.55	ND<50	-	110	ND:1.0	ND-:1,0	NI>:1.0	N1><1,0	ND<0,5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND~1.0	ND≃I.0	ND:1,0	ND
36.06	1/23/2009	7,83	28.23	300		100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND:1.0	№D <1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
	4/2/2009	7.27	28.79	ND<50		60	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.2	ND<1.0	ND<1.0	ND~1.0	ND<1.0	ND<1.0	ND<1,0	ND<1,0	ND
	9/23/2009	8.54	27.52	850	-	94	ND<0.5	ND<0.5	ND<0.5	ND~1.0	ND-0.5	ND<0.5	ND-0.5	ND∹0.5	ND-<0.5	ND-⊲≀.5	ND<0.5	ND<0.5	ND

Notes and Abbreviations:

VOCs = volatile organic compounds analyzed by EPA Method 8260B

toe elev = top of easing elevation in feet above mean sea level

ft blocy feet below top of easing

it msi n feet above mean sea level

TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B

Kerosene analyzed by EPA Method 8015B

TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B

BTEX = benzene, toluune, ethylbenzene, xylenes analyzed by EPA Method 8260B MTBE = methyl tert butyl other analyzed by EPA Method 8260B

μg/L - micrograms per liter

- " not analyzed, not available, not applicable

NL× X = not detected, below laboratory reporting limit of X

Table 3 - Groundwater Sample Analytical Results for Diesel, Gasoline, and
Kerosene

		Analyte						
	DRO	GRO	Kerosene					
Sample ID	Analytical Results (mg/l)							
MW-1-GW	1.1	1.7	0.8					
MW-2-GW	0.21	0.093	0.094					
MW-3-GW	0.062	<.05	<.05					
MW-4-GW	0.71	0.67	0.4					
MW-5-GW	0.38	0.17	0.17					
MW-6-GW	1.5	0.78	0.91					
MW-7-GW	0.51	<.05	0.091					
MW-8-GW	0.79	2.1	0.5					
B-9-GW	<.05	<.05	<.05					
B-10-GW	<.05	<.05	<.05					
B-11-GW	0.74	<.05	0.27					

Notes:

Samples analyzed using EPA Method 8015B

mg/l = milligrams per liter < indicates values below the detection limit



Closure, Inc. EXPLORATORY BORING LOG

Project Name: Former Jack Holland Oil Company

Boring No. MW-3

Date Drilled: 4/1/96

Project Number: 12059-1

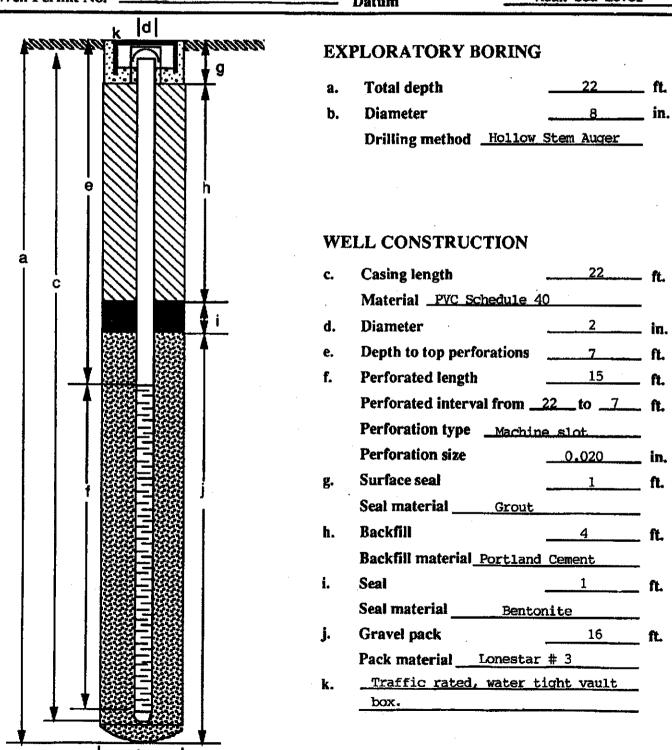
Logged By: GM

Depth (ft.)	Sample No.	Blows/Foot	Unified Soil Classification	SOIL DESCRIPTION	Water Level	OVM Reading (ppm)
1 - 2 - 3 -			CL	Black CLAY, moist, stiff, visible oil in soil, slight odor.		
- 4 - - 5 - - 6 -	MW-3-1	13		Grey green SILTY CLAY TO SANDY CLAY, moist, stiff, rare open rootholes, slight odor.	•	2
9 - 10-	MW-3-2	18		Dark grey CLAY, moist, stiff, medium plasticity, slight oder, some vielble oil staining on soil surface.	D	5
13- 14- 15, T 16,	'erzaggi	11		Grey CLAY, moist, stiff, medium plasticity, less than 5% open rootholes Yellow-brown sandy clay at 17 feet		
19.	'erzaggi	16		Bottom at 22 feet REVIEWED BY R.G./C.F.G. ATTACHME	NT	7



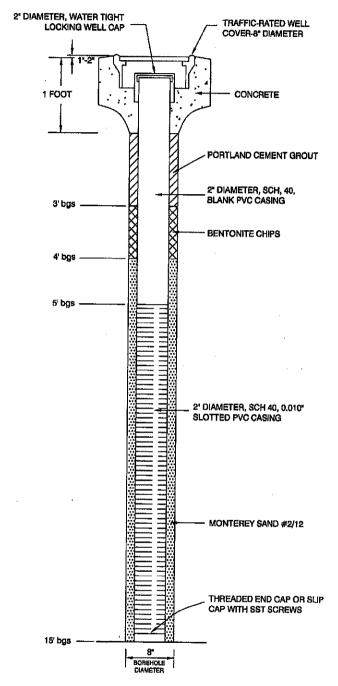
MONITORING WELL DETAIL

Project Number	12059-1	Boring/Well No	MW-3		
Project Name	Former Jack Holland Oil Company	Top of Casing Elev.	37.37 feet		
County	Alameda	Ground Surface Elev	37.60 feet		
Well Permit No.	96232	Datum	Mean Sea Level		
	ı lal		· · · · · · · · · · · · · · · · · · ·		



المستعد				•									
DEPTH (feet)	Bulk SAMPLES	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED 10/1/08 BORING NO. MW-9 TOC ELEVATION 37.22' ABOVE MSL SHEET I OF I METHOD OF DRILLING DIRECT PUSH DRIVE WEIGHT DROP SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML DESCRIPTION/INTERPRETATION					
0	1				· 0		SC	FILL: Brown, dry, clayey gravelly SAND.					
					0		CL	ALLUVIUM: Dark brown, moist, dense silty CLAY.					
5-					0		CL	Brown, moist, dense silty sandy CLAY; fine sand.					
					0		SM	Brown, moist, silty fine to medium SAND.					
+	\mathbb{H}		*		0		CL	Brown, moist, dense silty CLAY.					
	$\bot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$				0	燍	SM	Brown, saturated, silty fine to medium SAND.					
10					0		CL	Brown, moist, dense silty CLAY.					
+					0		SM	Brown, saturated, silty fine to medium SAND.					
							CL	Brown, moist, dense silty CLAY.					
15	\prod					4		Total depth = 15 feet bgs.					
+	H				,			Groundwater encountered at approximately 8.5 feet bgs during drilling activities.					
	H							Groundwater monitoring well installed 10/1/08.					
1		·						See MW-9 well construction diagram.					
-	\coprod				İ			Static groundwater measured at 8.11 feet below top of casing on 10/14/08.					
20													
	MINUO & MOORE BORING LOG HOLLAND OIL - 16301 E.14th STREET SAN LEANDRO, CALIFORNIA PROJECT NO. PROJECT N												
		Y -		yu	√ ≪	7	In	HOLLAND OIL - 16301 E.14th STREET SAN LEANDRO, CALIFORNIA PROJECT NO. DATE FIGURE					
		y				7		PROJECT NO. DATE FIGURE 401314002 11/08					

MONITORING WELL NO: MW - 9
COMPLETION DATE: 10/1/08



TOTAL DEPTH = 15

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Minyo .	Noore	WELL CONSTRUCTION SCHEMATIC	
PROJECT NO.	DATE	HOLLAND - OIL 16301 E.14th STREET	MW-9
401314002	11/08	SAN LEANDRO, CALIFORNIA	

	E					Π,		DATE DRILLED 10/2/08 BORING NO. SB-9
	SAMPLES	F	જ્ઞ	ĘĘ	PID READING (PPM)		8	
DEPTH (feet)	H	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	NG (I	ğ	CLASSIFICATION U.S.C.S.	GROUND ELEVATION 37.34 ABOVE MSL SHEET I OF 1
E	78	SWC	J_E	ENS		SYMBOL	SSIFI U.S.(METHOD OF DRILLING DIRECT PUSH
ă	Driven Priven	표	MO	RYD	0 2		CLAS	DRIVE WEIGHT DROP
				ם 	ā			SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u> DESCRIPTION/INTERPRETATION
0	Ħ						SC	FILL:
	Ш				0			Brown, damp, clayey gravelly SAND.
	Ш							
	M						CL	ALLUVIUM:
	-							Black, moist, dense silty CLAY.
					0			
	Π						•	
5-					L		CL -	Gray, moist, silty sandy CLAY; fine sand.
					 a			
	H				*			
			是					
			کیا				SC	Gray, saturated, silty clayey fine to medium SAND.
					0			
10-				<u> </u>				<u></u>
	$ \Pi $						CL	Brown, moist, silty CLAY.
· }					0		'	
	$ \cdot \cdot $							
							CL	Brown, saturated, silty, sandy CLAY; fine to medium sand.
					0			
					0		SW CL	Brown, saturated, medium SAND. Brown, moist, silty, sandy CLAY; fine sand.
					0		CL	with a start of the start.
15-								Total depth = 15 feet bgs.
	H							Groundwater encountered at approximately 8 feet bgs.
								Boring tremie grouted with Portland cement on 10/2/08.
	H							
20	Ш							BORING LOG
		M	7		7 &	A	Λn	HOLLAND OLL - 16301 E 14th STREET
			(J	_ /			SAN LEANDRO, CALIFORNIA PROJECT NO. DATE FIGURE 401314002 11/08

Г	S					Т										
	SAMPLES			E C	Š		z	DATE DRILLED	10/2/08	BORING N	ю		<u>SB-10</u>	······································		
(Jegg	S	BLOWS/FOOT	Щ %	<u>رة</u> ح	G (P	占	CLASSIFICATION U.S.C.S.	GROUND ELEVA	TION 37.72' ABOVE MSL	s	HEET _	1	OF	1		
DEPTH (faet)	ے	WS/	Ę	NS.	Ş Z	SYMBOL	SSIFICAT	METHOD OF DRI	LLING <u>DIRECT PUSH</u>			·				
8	Diven Piven	BLO	MOISTURE (%) DRY DENSITY (PCF) PID READING (PPM)			S	X.AS.	DRIVE WEIGHT			DROP _					
				Ä	₹		O	SAMPLED BY			VIEWED	BY	KML			
0	H		-			222	SC	FILL:	DESCRIPTION/IN	TERPRETATIO	אכ					
! ,					0			Light brown, dry, c	layey gravelly SAND.							
					0		SM	Brown, damp, silty	SAND; with organic mat	erials.						
	+X						CL	ALLUVIUM:								
								Dark brown, moist,	silty sandy CLAY; fine to	o medium sar	ıd.					
	П				0											
	Ш															
İ	Ш			ĺ												
5-	H $\!$															
			+				- sw	Brown, moist, fine	to medium SAND.							
-				4		<i>///</i>			sandy CLAY; fine sand.							
					0				gravelly medium SAND.							
-			墨		0				ilty, clayey medium SANI							
-	$\perp \downarrow \downarrow$		4							J. 						
			İ				CL	Dark brown, moist,	dense silty CLAY,							
10-	$-\!\square$															
		ł		ĺ												
	\sqcap			}	0.											
	\perp]	ł													
	1		+	+			sw	Brown converted &	ne to medium SAND.							
	+				_		SW	Diowii, saldialed, II	ne to medium SAND.							
					0											
[\prod	T	T	7	0		CL	Brown, moist, silty s	sandy CLAY; fine sand.							
15	++						<u>-</u>	Total depth = 15 fee	t hes		······					
							i		•							
		- 1						Croundwater encour	ntered at approximately 8.	25 feet bgs.						
[H							Boring tremie groute	ed with Portland cement o	n 10/2/08.				Į.		
		1														
	\prod															
	4													#		
												٠.				
20	<u></u>		L			<u></u>				BODING I	00	<u> </u>				
		V			8	M	Am	ore	BORING LOG HOLLAND OIL - 16301 E.14th STREET							
	<i>Minyo & Moore</i>								PROJECT NO.	LEANDRO, CA	LIFORNL		FIGURE			
						•			401314002	11/00	1		-	- 11		

-											
	SAMPLES			E .	ę			DATE DRILLED	10/2/08	BORING NO.	SB-11
ê	SA	þ	8	DRY DENSITY (PCF)	PID READING (PPM)		CLASSIFICATION U.S.C.S.	GROUND ELEVATION	ON 38.20 ABOVE MSL	SHEET	1OF1
DEPTH (feet)		BLOWS/FOOT	MOISTURE (%)	TISN		SYMBOL	FICA S.C.S	METHOD OF DRILL	ING DIRECT PUSH		
DEP.	Park Priven	E O	SION	YDE	REA	Š	LASS U.	DRIVE WEIGHT		DROP	
			-	DR	₽		Ö		RA LOGGED BY	CRA REVIEWE	D BY KML
0	┼┼┤					882	SC	FILL:	DESCRIPTION/IN	TERPRETATION	
	Ш							Brown, damp, clayey	gravelly SAND.		
			,						•		
	Ш				73						
	+						-				
								Black, staining from	2.5 to 4 feet bgs.		
					120		CL	ALLUVIUM: Black, moist, silty fin	e sandy CLAY.		_
5.	H						CL -	Gray, moist, dense, si	Ity sandy CLAY; fine sa	and. — — — — —	
	\coprod				276						
					 546		- sw	Gray, moist, fine to m	iedium SAND.		
	$+ \square$		巫		. 346		CL -	Gray, saturated, silty	sandy CLAY.		
	\coprod				630						
10							CL	Brown, moist, dense,	silty CLAY.	-	
									4		
	$\downarrow\downarrow\downarrow$				0						
							•		v"		
	\prod				0		CL	Brown, saturated, silt	y sandy CLAY; fine san	<u>d. </u>	
	H			<u> </u>			sw	Brown, saturated, me			
15.	Ш				0		CL		y sandy CLAY; fine san	d	
								Total depth = 15 feet	-		
	H							Groundwater encount	ered at approximately 8	feet bgs.	
	H							Boring tremie grouted	l with Portland cement of	on 10/2/08.	
	Ш	;									
		:									<u> </u>
	Ш	:									
20										DODINA I GA	
	1				7 &	A	An	ore		BORING LOG ND OIL - 16301 E.14th	STREET
		'		J		7	10		PROJECT NO.	LEANDRO, CALIFOR	INIA FIGURE
1		*				,		il	401314002	11/09	

	1		1		T									
	SAMPLES			Ë	8		7	DATE DRILLED	10/2/08	BORING NO	SB-12			
ee (88	DOT	8	DRY DENSITY (PCF)	PID READING (PPM)	ږ	CLASSIFICATION U.S.C.S.	GROUND ELEVATION	ON 37.55' ABOVE MSL	SHEET	1 OF 1			
DEPTH (faet)		BLOWS/FOOT	MOISTURE (%)	NSIT	DING	SYMBOL	S.C.S	METHOD OF DRILL	ING DIRECT PUSH					
H	Bulk Driven	BLO	MOIS	YDE) RE/	S	A ASS	DRIVE WEIGHT		DROP				
			_	2	12.		0	SAMPLED BY	CRA LOGGED BY DESCRIPTION/IN		D BY KML			
F	H						SC	FILL:						
	Ш				76		-	Brown, dry to damp,	clayey gravelly SAND;	dark staining.				
		•									!			
l	Tή						CL	ALLUVIUM:						
	H				0			Brown, moist, dense,	•		!			
	Ш				0		CL	Black, moist, dense s	silty CLAY.					
					"						<u>.</u>			
5.	ΤÄ				†		CL	Gray, moist, dense si	Ity CLAY.					
	H													
	Ш		:											
							SM	Gray, moist, silty fin	e SAND.					
	H			-	T		CL		ndy CLAY; fine sand.					
			圣	<u> </u>	0		- SW	Gray, saturated, fine	to medium SAND					
					0									
10.	Π						CL	Dark brown, moist, o	fense, sifty CLAY.					
					0		•							
	Ш													
					<u> </u>		SM -	Brown, saturated, sil	ty fine to medium SANI	D				
					0									
	H			 -	 		CL	Brown, saturated, sil	ty sandy CLAY; fine sar	nd. — — — — —				
15					0									
								Total depth = 15 feet	•					
	H							Groundwater encoun	tered at approximately 9	feet bgs.				
	H							Boring tremie groute	d Portland cement on 10	0/2/08.				
	++													
20	Ш			<u> </u>		L								
		A			7 a		An	nra	BORING LOG HOLLAND OIL - 16301 E.14th STREET					
		/		3		/\	$M_{I_{II}}$	ore		N LEANDRO, CALIFOR				
		7		_		1	7		401314002	11/08	<u>.</u>			

