

LEAD BASED PAINT INSPECTION REPORT FREEWAY STRIPING

I-5 HOV Improvement Project – Segment 3 Orange County, California

EA 12-0F96E1

Submitted to

California Department of Transportation District 12

3337 Michelson Drive, Suite 380
Irvine, California 92612

TRC Project No. 181348

February 24, 2012

Prepared by

TRC

123 Technology Drive
Irvine, California 92618
Telephone 949-727-9336
Facsimile 949-727-3022



Erik Paquette
Lead Related Construction, Inspector/Assessor
(CDPH No. 14356)



David Lennon
Senior Project Manager

TABLE OF CONTENTS

| <u>SECTION</u> | <u>PAGE</u> |
|--|--------------------|
| EXECUTIVE SUMMARY | ES-1 |
| 1.0 INTRODUCTION Project Description Background Scope of Work | 1 |
| 2.0 PRE-FIELD ACTIVITIES Pre-Field Work Activities Traffic Control | 3 |
| 3.0 FIELD ACTIVITIES Lead Based Paint and Chromium Sampling Sampling Procedures | 4 |
| 4.0 LEAD AND CHROMIUM WASTE CHARACTERIZATION Lead Waste Characterization and Disposal | 5 |
| 5.0 FINDINGS Statistical Evaluation of Paint and Thermoplastic Striping (PTS) Data | 6 |
| 6.0 CONCLUSIONS | 8 |
| 7.0 RECOMMENDATIONS | 9 |
| 8.0 REFERENCES | 11 |

LIST OF TABLES

| | |
|---|---|
| 1 | Summary of Lead and Chromium Based Paint Stripe and Marking Locations Utilizing Laboratory Analysis of Paint Chip Samples |
| 2 | Global Positioning System (GPS) Data for Sample Locations |
| 3 | Statistical Evaluation of Paint and Thermoplastic Striping (PTS) Data |

LIST OF FIGURES

| | |
|--------------|--|
| 1 | Vicinity Map |
| 2 | I-5 HOV Improvement Project Limits – Segment 3 |
| 3 through 13 | Paint Chip Sample Location Maps Utilizing GPS |

TABLE OF CONTENTS
(Continued)

LIST OF APPENDICES

- A Bulk Paint Chip Laboratory Analytical Results and Chain of Custody
- B Laboratory Certifications
- C Consultant Certifications

EXECUTIVE SUMMARY

On behalf of the Orange County Transportation Authority (OCTA), TRC conducted testing for lead based paint (LBP) and chromium based paint (CRBP) on freeway, ramp and bridge striping along an approximately 2.5-mile section of Interstate 5 (I-5) as part of the High Occupancy Vehicle (HOV) Improvement Project in Orange County, California. The project will extend the Interstate 5 (I-5) HOV lane from 0.4 miles south of Avenida Pico to 0.1 miles south of San Juan Creek Road in the cities of San Clemente, Dana Point, and San Juan Capistrano. The project has been split into three segments and this scope of work focuses on segment three which begins south of Via California to the north limit of the project. The site vicinity map (Figure 1) and site plan (Figure 2) depict the locations of the work areas.

TRC performed testing, assessment, and quantification for LBP and CRBP on freeway striping on January 17, 2012. The test locations were selected on freeway, ramp and bridge striping at approximately 1,000-foot intervals on the right shoulder, carpool lane and center median striping. Random testing of other markings that may be impacted by the proposed HOV lane extension project was also conducted.

The LBP and CRBP testing was conducted by Sam Seneviratne, a State of California Department of Public Health, Lead Related Construction Inspector/Risk Assessor and Project Monitor (#9658), Hector Gonzalez a State of California Department of Public Health, Lead Related Construction Sampling Technician (#22952) and Erik Paquette a State of California Department of Public Health, Lead Related Construction Inspector/Risk Assessor (#14356) on January 17, 2012. The lead and chromium testing was performed by collection of paint chip bulk samples that were analyzed at an offsite laboratory. The laboratory analysis provided data for LBP and CRBP locations and for waste disposal classification of the paint affected by the project. The bulk paint chip sampling and laboratory analysis was performed through paint chip sampling in accordance with HUD's guidance document, "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing," 1997 Revision. This testing was conducted to determine waste disposal options that would comply with the California Department of Toxic Substances Control (DTSC) disposal requirements for hazardous waste analysis and disposal.

Based on the State of California Code of Regulations, Section 66261 Total Threshold Limit Concentration (TTLC) analytical thresholds for lead are set at 1,000 milligrams per kilogram (mg/kg) and at 2,500 mg/kg for chromium and its compounds. Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) concentration

thresholds for lead and chromium compounds are both set at 5.0 milligrams per liter (mg/L). Therefore, paint and coatings that tested at or above the TTLC or STLC for lead or chromium by paint chip analysis data have exceeded the hazardous waste classification threshold concentrations for Non-RCRA Hazardous Waste. Paint and coatings that tested at or above the TCLP for lead or chromium by paint chip analysis data have exceeded the hazardous waste classification threshold concentrations for RCRA Hazardous Waste.

During the January 17, 2012 sampling event, TRC obtained bulk paint chip samples in order to identify lead and chromium containing paint markings and to classify the paint for waste disposal. Seventy-one (71) bulk samples were analyzed using EPA method 6020A, EPA Method 1311, EPA Method 3051 and Title 22 Method for Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) for lead and chromium. The analyses provided data on the location of LBP and CRBP for removal and information for classification of the waste paint according to DTSC hazardous waste disposal guidelines.

FINDINGS OF LEAD AND CHROMIUM BASED PAINT CONTAINING STRIPING

LBP was detected on striping and markings on the freeway, ramps and overpass bridges. The LBP or CRBP striping and locations are summarized in the table below. Lead or chromium was detected in the following locations at concentrations exceeding the State of California Code of Regulations, Section 66261 analytical thresholds by paint chip analysis. The samples were also analyzed using STLC and TCLP for waste characterization purposes. The analytical testing indicates that the waste paint should be classified as a Non-RCRA hazardous waste (California Regulated).

| SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS | | | | | | | | |
|---|-------|--------------|----------|-------------|----------|-------------|----------|--------------------|
| TRC Sample # | Color | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Qty (feet) |
| | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-HOV-Y-39 | Yel | 2000 | 640 | 1.2 | 4.5 | 0.5 | ND | 9,412 |
| SB-HOV-Y-40 | Yel | 2200 | 680 | 1 | 5.2 | 0.6 | ND | |
| SB-HOV-Y-41 | Yel | 2300 | 700 | 0.93 | 3.2 | ND | ND | |
| SB-HOV-Y-42 | Yel | 3000 | 890 | 0.78 | 3.2 | 0.63 | ND | |
| SB-HOV-Y-43 | Yel | 2100 | 660 | 1.4 | 4.2 | 0.65 | ND | |
| SB-CC-OR-Y-56 | Yel | 25000 | 6300 | 8.9 | 10 | 1 | ND | 100 |
| SB5-PCH-OFF-Y-57 | Yel | 29000 | 7200 | 6.6 | 9 | 3.7 | ND | 998 |
| SB-PCH-5SB-Y-64 | Yel | 13000 | 3300 | 5.6 | 11 | 1.2 | ND | 996 |
| NB-5 to CLR-OFF-Y-66 | Yel | 32000 | 8000 | 6.1 | 11 | 1.4 | ND | 1,472 |
| CLR-SB5-Y-69 | Yel | 41000 | 10000 | 7.6 | 12 | 1.6 | ND | 545 |
| CLR-5NB-Y-71 | Yel | 20000 | 5000 | 6.2 | 12 | 2.1 | ND | 2,648 |

1.0 INTRODUCTION

PROJECT DESCRIPTION

On behalf of the Orange County Transportation Authority (OCTA), TRC conducted testing for lead based paint (LBP) and chromium based paint (CRBP) on freeway, ramp and bridge striping along an approximately 2.5-mile section of Interstate 5 (I-5) as part of the HOV Improvement Project in Orange County, California. The project will extend the Interstate 5 (I-5) HOV lane from 0.4 miles south of Avenida Pico to 0.1 miles south of San Juan Creek Road in the cities of San Clemente, Dana Point, and San Juan Capistrano. The project has been split into three segments and this scope of work focuses on segment three which begins south of Via California to the north limit of the project. The site vicinity map (Figure 1) and site plan (Figure 2) depict the locations of the work areas.

TRC performed testing, assessment, and quantification for LBP and CRBP in the freeway, ramp and bridge lane striping on January 17, 2012. The test locations were selected on freeway, ramp and bridge striping at approximately 1,000-foot intervals on the right shoulder, carpool lane and center median striping. Random testing of other markings that may be impacted by the HOV lane extension was also conducted. The LBP and CRBP testing was conducted by Sam Seneviratne, a State of California Department of Public Health Certified Lead-Related Construction Inspector/Assessor/Project Monitor, Hector Gonzalez, a State of California Department of Public Health Certified Lead-Related Construction Inspector/Assessor, and Erik Paquette, a State of California Department of Public Health Certified Lead-Related Construction Inspector/Assessor. Copies of relevant training certificates and state licenses (where applicable) are presented in Appendix C of the report.

BACKGROUND

The testing was conducted to investigate potential LBP or CRBP used in lane striping on the freeway, ramp and bridge striping as well as other roadway markings that may be disturbed during the extension of the high occupancy vehicle (HOV) lane from 0.4 miles south of Avenida Pico to 0.1 miles south of San Juan Creek Road in the cities of San Clemente, Dana Point, and San Juan Capistrano. The LBP and CRBP testing was performed in accordance with industry standards for paint testing and as per the approved work plan submitted to the California Department of Transportation (Caltrans), District 12, dated November 2, 2011.

The subject area spans the I-5 for approximately 2.5 miles. The limits of the subject area are as follows:

- I-5
 - Postmile – 6.2 to 8.7
 - Sta 340+00 to Sta 465+00
 - Bridge Locations
 - NB I-5 to NB Pacific Coast Highway (PCH) Connector (Bridge No. 55-0226)
 - I-5 / Camino Las Ramblas Undercrossing (Bridge No. 55-0510)
 - Camino Capistrano at Stonehill Dr. Undercrossing (Bridge No. 55-0227)
 - Ramp Locations
 - Camino Las Ramblas / PCH
 - SB PCH to SB I-5 connector
 - NB Camino Las Ramblas loop on-ramp to SB I-5
 - SB I-5 off-ramp to Camino Las Ramblas / PCH
 - NB Camino Las Ramblas to NB I-5 on-ramp
 - NB I-5 off-ramp to NB PCH connector
 - NB I-5 off-ramp to Camino Las Ramblas (up to Via California)

Sampling was conducted on lane striping and markings on the right shoulder and center median of the roadway sections of the freeways, including exit and entry ramps to the freeways in the area of the interchanges that may be impacted by the construction activities. Random testing of other markings that may be impacted by the HOV lane extension was also conducted.

SCOPE OF WORK

The scope of work included the testing of representative samples and physical assessment of paint and coatings used for the freeway, ramp and bridge striping and other markings. The LBP and CRBP testing was performed by collecting bulk paint chip samples that were analyzed at an offsite laboratory.

During the January 17, 2012 sampling event, TRC obtained bulk paint chip samples in order to identify lead and chromium containing paint markings and to classify the paint for waste disposal. Seventy-one (71) bulk samples were analyzed using EPA method 6020A, EPA Method 1311, EPA Method 3051 and Title 22 Method for TTLC, STLC and TCLP for lead and chromium. The analyses provided data on the location of LBP or CRBP for removal and information for classification of the waste paint according to DTSC hazardous waste disposal guidelines. The test locations were selected according to distinguishable colors of the striping and applications (i.e., stripe, cross stripe, symbol, etc.) and at approximately 1,000-foot intervals.

The sample locations were surveyed by global positioning system (GPS) using a Trimble XH handheld instrument (see figures 3 through 13).

2.0 PRE-FIELD ACTIVITIES

PRE-FIELD WORK ACTIVITIES

TRC obtained encroachment permit number 1211-NSV-0428 from the Caltrans Permit Unit prior to starting field activities as described in the scope of work on the I-5 HOV Improvement Project. The Lead Based Paint Striping Assessment Work Plan dated November 2, 2012 for the I-5 HOV Improvement Project was provided to Caltrans District 12, for approval.

Prior to the sampling activities, TRC conducted a pre-sampling tailgate safety meeting with the TRC personnel conducting the LBP testing activities, the personnel providing the traffic control activities, and two officers from the California Highway Patrol (CHP), San Juan Capistrano Station. Hazards associated with vehicle traffic and health hazards from LBP were reviewed at the safety meeting. A site-specific health and safety plan was prepared for the LBP assessment activities and was used at the site to review the health and safety hazards associated with the sampling activity.

TRAFFIC CONTROL

During the LBP and CRBP testing activities, traffic control was provided by United Traffic Control service as well as CHP officers. The traffic control vehicles and the CHP ensured the safety of the sampling team and alerted freeway traffic of the sampling work. One CHP patrol car and three traffic control trucks with flashing lights and warning signs were positioned behind the TRC crew during the LBP and CRBP sampling activities. LBP and CRBP sampling was conducted from 10:30 PM January 17, 2012 to approximately 5:15 AM on January 18, 2012. Caltrans limited the moving lane closure activities to either one right shoulder and adjacent lane or the carpool/median lane and adjacent lane for each direction of the freeway at each sampling location. Testing of the center lane lines was not allowed because the activities would have been unsafe with a moving lane closure, and would have significantly disrupted traffic.

3.0 FIELD ACTIVITIES

LEAD BASED PAINT SAMPLING

Within the I-5 HOV Improvement Project limits, TRC sampled freeway, ramp and bridge striping and lane markings approximately every 1,000 feet. Based on the study area limits, and including field observations, seventy-one (71) LBP and CRBP bulk paint chip samples were collected for laboratory analysis (Figure 1). Representative samples of suspect LBP or CRBP striping locations were selected within the project limits and submitted to an offsite laboratory for analysis.

SAMPLING PROCEDURES

Representative locations/surfaces of lane striping were selected for bulk paint chip sample collection. Homogenous material determinations were assessed based on the following criteria:

- Similar physical characteristics (same color and texture, etc.); and
- Material function (shoulder striping, HOV lane striping, etc.).

Paint Chip Sampling

A bulk paint chip sample is collected by using a hammer and chisel, or equivalent to cut a section of paint, and remove it from the roadway with as little substrate material as possible. The paint chip is then placed into a sample container, given a unique sample identification number and is then shipped under chain-of-custody protocol to a state certified laboratory for analysis.

The laboratory analysis of the paint chip samples was performed by E.S. Babcock & Sons, Inc. Environmental Laboratories, in Riverside, California. E.S. Babcock & Sons, Inc. Environmental Laboratories have been accredited by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP #2698), and the National Environmental Laboratory Accreditation Program (NELAP #02101CA).

While the bulk paint chip sampling was conducted, sampling locations were surveyed with a hand-held global positioning system (GPS) (see Table 2).

The following data was recorded on the Lead Paint Bulk Sampling Data Sheet (Appendix A):

- Unique sample identification number
- Component tested
- Color
- Description of sample location

4.0 LEAD AND CHROMIUM WASTE CHARACTERIZATION

LEAD WASTE CHARACTERIZATION AND DISPOSAL

In order to determine whether the LBP wastes should be classified as non-hazardous solid or hazardous waste the waste generator must meet State of California requirements according to California Code of Regulations, Section 66261 and conduct both STLC and TCLP analysis of the paint for waste characterization prior to the disposal of LBP waste. If any of these samples contain lead or chromium at or above the TTLC, STLC, and/or the TCLP limits, the waste would be disposed of as hazardous waste.

The paint waste analysis was compared to the following hazardous waste limits found in the California Code of Regulations:

| | <u>TTLC</u> (mg/Kg) | <u>STLC</u> (mg/L) | <u>TCLP</u> (mg/L) |
|--|------------------------|-----------------------|-----------------------|
| Lead | 1,000 | 5.0 | 5.0 |
| Chromium and/or Chromium (III) Compounds | 2,500 | 5.0 | 5.0 |

Paint striping with a TTLC and/or a STLC for lead and/or chromium exceeding the regulatory limit would be classified as a non-RCRA hazardous waste. Paint striping with a lead and/or chromium TCLP concentration of 5.0 mg/L or greater would be classified as a RCRA D008 (lead) or D007 (chromium) toxicity characteristic hazardous waste. The waste generator must consider the proper waste classification when selecting potential disposal options for the waste. In addition, the proper segregation of waste materials and representative characterization sample analysis of the actual waste generated during the striping removal should be utilized when determining the final disposal options for the waste paint.

5.0 FINDINGS

Based on the State of California Code of Regulations, Section 66261 Total Threshold Limit Concentration (TTLC) analytical thresholds for lead are set at 1,000 milligrams per kilogram (mg/kg) and at 2,500 mg/kg for chromium and its compounds. Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) concentration thresholds for lead and chromium compounds are both set at 5.0 milligrams per liter (mg/L). Therefore, paint and coatings that tested at or above the TTLC or STLC for lead or chromium by paint chip analysis data have exceeded the hazardous waste classification threshold concentrations for Non-RCRA Hazardous Waste. Paint and coatings that tested at or above the TCLP for lead or chromium by paint chip analysis data have exceeded the hazardous waste classification threshold concentrations for RCRA Hazardous Waste.

LBP was detected on striping and markings on the freeway, ramps and overpass bridges. Lead or chromium was detected at concentrations exceeding the TTLC and STLC thresholds. The analytical testing indicates that the waste paint should be classified as a Non-RCRA Hazardous Waste.

STATISTICAL EVALUATION OF PAINT AND THERMOPLASTIC STRIPING DATA

The sampling results were also analyzed according to "Caltrans Paint and Thermoplastic Striping Guidance: Statistical Evaluation of Paint and Thermoplastic Striping (PTS) Data." In accordance with Testing Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846 (EPA, 1986), a 90% upper confidence limit (UCL) on the mean was used to describe the analytical results.

TRC performed the Pro UCL (version 4.1) analysis on the sampling data. The data was prepared to include the non-detects using the Reportable Detection Limit (RDL) value for each of the analysis results, TTLC, STLC, and TCLP. The Pro UCL was set to 90% confidence coefficient. The results are as follows for 90% UCL (see Table 3):

- Lead TTLC 4,134 mg/kg
- Chromium TTLC 1,355 mg/kg
- Lead STLC 1.88 mg/kg
- Chromium STLC 1.96 mg/kg
- Lead TCLP 0.49 mg/kg

- Chromium TCLP (Was not evaluated, all results ND)

The composite sample UCL data presented above was compared against the following screening criteria to determine if the composite would be considered a hazardous waste:

- Lead TTLC 1,000 mg/kg
- Chromium TTLC 2,500 mg/kg
- Lead STLC, TCLP 5 mg/L
- Chromium STLC, TCLP 5 mg/L

The 90% UCL comparison demonstrates that the resulting waste material would exceed the Lead TTLC threshold and be considered a Non-RCRA Hazardous Waste. Due to the positive Lead TTLC condition, we modified the lead TTLC analysis to exclude the highest concentrations above 3,000 mg/kg. The modified 90% UCL resulted in a Lead TTLC concentration of 462, well below the 1,000 mg/kg screening threshold. The results of this truncated analysis indicate that if higher concentration lead PTS are removed separately the 90% UCL of the remaining PTS would be considered Non-hazardous Waste.

A secondary analysis of the data was conducted based on a comparison of the mass ratio of PTS grindings to road material grindings. Assuming the mass of PTS grindings is small compared to the mass of road material grindings and the concentration of Lead in the road material grindings is negligible, the total and soluble lead and chromium concentrations can be predicted by multiplying the 90% UCL for each parameter by the mass ratio of PTS in road material. The 90% UCL for Lead TTLC is $4,134 \text{ mg/kg} \times 52 \text{ grams PTS} / 166 \text{ grams road material} = 1,294 \text{ mg/kg}$. This predicted concentration of lead in the road material grindings would exceed the TTLC hazardous waste threshold value.

Lead and chromium containing roadway markings were identified during the assessment activities; therefore, the contractor should be notified in accordance with Caltrans Standard Special Provision (SSP) 14-11.07. The contractor should be required to submit a Lead Compliance Plan under SSP section 14-11.07A(2)(b) and a Work Plan under SSP section 14-11.07A(2)(c). If the contractor selects to use grinding, or other authorized methods, to remove yellow thermoplastic, yellow painted traffic stripe, and pavement markings that will produce a hazardous waste residue, the contractor should immediately contain and collect the removed residue, including dust. In addition, a HEPA filter-equipped vacuum

attachment operated concurrently with the removal operations or other equally effective approved methods for collection of the residue should be required in accordance with SSP section 14-11.07C. The collected hazardous residue should be tested and disposed of in accordance with all applicable local, state, and federal regulations.

6.0 CONCLUSIONS

Lead and chromium containing paint in concentrations above the State regulated concentrations was found in the painted striping that is scheduled for removal during construction. LBP was found in conditions ranging from intact (good) to poor. LBP and CRBP must be abated by a licensed lead abatement contractor using California-certified workers and supervisors, and must be done according to State of California lead abatement regulations. The improper removal of the lead containing paint will expose workers to airborne lead dust as well as contaminate the surrounding environment.

The lead containing paint must be removed prior to construction activities that would disturb the lead containing paint by lead trained personnel in accordance with all applicable federal, state, and local regulations. These requirements include, but are not limited to, the following: Exposure Assessments; Methods of Compliance including work practices, administrative, and engineering controls; Respiratory Protection; Protective Clothing and Equipment; Housekeeping; Hygiene Facilities; Medical Surveillance; and Employee Information and Training. The waste materials generated must be segregated accordingly and should be subjected to waste characterization testing and disposed of according to California Code of Regulations, Title 8 Section 1532.1.

The content presented in this report is based on data collected during the site assessment and paint chip sampling, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by OCTA, Caltrans - District 12, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. TRC believes the analytical data to be accurate and relevant, but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This LBP and CRBP assessment report is designed to aid the owner, architect, construction manager, general contractor, and LBP and CRBP abatement contractor in identifying and/or locating LBP and CRBP identified in this report. This report is not intended for, and may not be utilized as a bidding document or as an abatement specification document.

7.0 RECOMMENDATIONS

LBP and CRBP must be abated by a licensed lead abatement contractor using California-certified workers and supervisors, and must be done according to State of California lead abatement regulations prior to any construction activities. The improper removal of the lead or chromium containing paint will expose workers to airborne lead or chromium dust as well as contaminate the surrounding environment.

Unacceptable lead removal methods include but are not limited to:

- 1) Open flame burning or torching (includes propane-fueled heat grids);
- 2) Machine sanding or grinding without a local HEPA vacuum exhaust attachment;
- 3) Uncontained hydro-blasting or high pressure washing;
- 4) Abrasive blasting or sandblasting without a local HEPA vacuum exhaust tool;
- 5) Dry-scraping unless:
 - a) Performed in conjunction with heat gun or around electrical outlets,
 - b) LBP area is less than or equal to 2 square feet on interior surfaces,
 - c) LBP area is less than or equal to 20 square feet on exterior surfaces;
- 6) Heat guns operating above 1100°F; and
- 7) Methylene chloride chemical paint removers.

The California Occupational Safety and Health Administration (Cal/OSHA) Lead in Construction Standard states that “negative” readings i.e., those below the HUD/EPA definition of what constitutes LBP (5000 mg/kg or 0.5% by weight or 1.0 mg/cm²), “DO NOT” relieve contractors from performing exposure assessments (personal exposure monitoring) on their employees per the OSHA Lead Standard, and should not be interpreted as lead is not present. Although a reading may indicate a “negative” result or lead concentration, concentrations of airborne lead may still exceed the Cal/OSHA Action Level or the Cal/OSHA Permissible Exposure Limit (PEL) depending on the work activity.

Lead and chromium containing waste must be disposed of in accordance with all applicable

federal, state, county, local government regulations and guidelines. It is the sole responsibility of the Contractor performing the work to assure compliance with all laws and regulations relating to the disposal.

The requirements of the Resource Conservation and Recovery Act as well as the California Code of Regulations requirements should be followed by the contractor. Waste materials should be segregated into separate waste streams (i.e., paint chips, personal protective equipment, plastic, etc.) and placed into labeled leak-tight containers. Wastewater from the washing facilities should be captured, filtered, and prior to disposal into the sanitary sewer system, sampled for lead content.

Based on the statistical analysis of the paint samples, it appears that if the PTS with TTLC results above 1,000 mg/kg is removed separately and disposed of as Non-RCRA Hazardous waste, then the remaining PTS grindings could be disposed of as Non-hazardous Waste. However, random samples of each waste stream generated by the contractor should be collected and analyzed for TTLC, STLC, and TCLP analysis at a State of California certified laboratory to determine the final disposition of the actual waste materials produced. All wastes should be disposed of in accordance with applicable federal, state, and local regulations.

8.0 REFERENCES

State of California, *Code of Regulations, Title 8, Section 1532.1 (Cal/OSHA Construction Safety Orders, Lead)*.

State of California, *Code of Regulations, Title 22, Chapters 10-32, Division 4.5 (Department of Toxic Substances Control, Hazardous Waste)*.

State of California, *Code of Regulations, Title 17, Division 1, Chapter 8 (Accreditation, Certification and Work Practices in Lead-Related Construction)*.

United States Department of Housing and Urban Development (HUD) guidance document, *“Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing,”* (1997 Revision) 24 CFR part 35 – U.S. Department of Housing and Urban Development (HUD), 1997.

United States Environmental Protection Agency (EPA), *40 Code of Federal Regulations Part 745 Subpart L*.

United States Environmental Protection Agency (EPA), *40 Code of Federal Regulations Part 745.227*.

TABLE 1

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|-----------------------------------|-------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-S-W-1 | Southbound I-5 Shoulder Stripe | White | [3] 2124690.999 (N) 6130669.354 (E) | 190 | ND | ND | ND | ND | ND | --- |
| SB-LM-W-2 | Southbound I-5 Lane Marker | White | [4] 2124685.438 (N) 6130682.641 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-3 | Southbound I-5 Shoulder Stripe | White | [5] 2123696.577 (N) 6130028.77 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-4 | Southbound I-5 Lane Marker | White | [6] 2123681.084 (N) 6130031.687 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-5 | Southbound I-5 Shoulder Stripe | White | [7] 2122754.404 (N) 6129369.344 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-6 | Southbound I-5 Lane Marker | White | [8] 2122735.923 (N) 6129373.049 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-7 | Southbound I-5 Shoulder Stripe | White | [9] 2121940.223 (N) 6128768.71 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-8 | Southbound I-5 Lane Marker | White | [10] 2121927.774 (N) 6128770.821 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-9 | Southbound I-5 Shoulder Stripe | White | [12] 2121949.016 (N) 6128772.966 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|-----------------------------------|-------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-LM-W-10 | Southbound I-5 Lane Marker | White | [13] 2121072.053 (N) 6128133.936 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-11 | Southbound I-5 Shoulder Stripe | White | [14] 2120174.027 (N) 6127509.884 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-12 | Southbound I-5 Lane Marker | White | [15] 2120162.546 (N) 6127516.508 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-13 | Southbound I-5 Shoulder Stripe | White | [17] 2119124.384 (N) 6127179.718 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-14 | Southbound I-5 Lane Marker | White | [16] 2119116.763 (N) 6127190.08 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-15 | Southbound I-5 Shoulder Stripe | White | [20] 2118082.605 (N) 6127193.415 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-16 | Southbound I-5 Lane Marker | White | [19] 2118078.831 (N) 6127205.346 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-17 | Southbound I-5 Shoulder Stripe | White | [22] 2116978.721 (N) 6127817.059 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-18 | Southbound I-5 Lane Marker | White | [21] 2116985.621 (N) 6127827.215 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|---|-------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-S-W-19 | Southbound I-5 Shoulder Stripe 5 1/2" Width | White | [23] 2116364.677 (N) 6128789.764 (E) | 19 | ND | ND | ND | ND | ND | --- |
| SB-LM-W-20 | Southbound I-5 Lane Marker 4" Width | White | [24] 2116369.861 (N) 6128805.652 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-S-W-21 | Southbound I-5 Shoulder Stripe | White | [25] 2115722.545 (N) 6129619.253 (E) | 15 | ND | ND | ND | ND | ND | --- |
| SB-SD-W-22 | Southbound I-5 Shoulder Diagonal 6" Width | White | [26] 2115725.433 (N) 6129608.998 (E) | 12 | ND | ND | ND | ND | ND | --- |
| SB-S-W-23 | Southbound I-5 Shoulder Stripe | White | [28] 2115062.426 (N) 6130416.211 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-LM-W-24 | Southbound I-5 Lane Marker | White | [27] 2115072.978 (N) 6130423.468 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-25 | Northbound I-5 Shoulder Stripe | White | [30] 2114480.138 (N) 6131350.202 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-LM-W-26 | Northbound I-5 Lane Marker | White | [29] 2114471.162 (N) 6131343.256 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-27 | Northbound I-5 Shoulder Stripe | White | [31] 2115308.928 (N) 6130344.418 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|-----------------------------------|-------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| NB-LM-W-28 | Northbound I-5 Lane Marker | White | [32] 2115301.949 (N) 6130344.384 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-29 | Northbound I-5 Shoulder Stripe | White | [34] 2115953.699 (N) 6129564.524 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-LM-W-30 | Northbound I-5 Lane Marker | White | [33] 2115937.510 (N) 6129562.309 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-31 | Northbound I-5 Shoulder Stripe | White | [35] 2116540.58 (N) 6128781.914 (E) | 12 | ND | ND | ND | ND | ND | --- |
| NB-LM-W-32 | Northbound I-5 Lane Marker | White | [36] 2116531.951 (N) 6128772.034 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-33 | Northbound I-5 Shoulder Stripe | White | [37] 2117224.485 (N) 6127778.653 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-LM-W-34 | Northbound I-5 Lane Marker | White | [38] 2118495.101 (N) 6127284.018 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-S-W-35 | Northbound I-5 Shoulder Stripe | White | [39] 2119247.6 (N) 6127342.383 (E) | 13 | ND | ND | ND | ND | ND | --- |
| NB-LM-W-36 | Northbound I-5 Lane Marker | White | [40] 2120193.243 (N) 6127664.645 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|---------------------------------------|--------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| NB-S-W-37 | Northbound I-5 Shoulder Stripe | White | [41] 2121234.343 (N) 6128427.392 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-LM-W-38 | Northbound I-5 Lane Marker | White | [42] 2121972.595 (N) 6128948.469 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-HOV-Y-39 | Southbound I-5 HOV / Median Stripe | Yellow | [43] 2124587.412 (N) 6130677.19 (E) | 2000 | 640 | 1.2 | 4.5 | 0.5 | ND | 9412 |
| SB-HOV-Y-40 | Southbound I-5 HOV / Median Stripe | Yellow | [44] 2123557.734 (N) 6130009.036 (E) | 2200 | 680 | 1 | 5.2 | 0.6 | ND | |
| SB-HOV-Y-41 | Southbound I-5 HOV / Median Stripe | Yellow | [45] 2122668.525 (N) 6129382.641 (E) | 2300 | 700 | 0.93 | 3.2 | ND | ND | |
| SB-HOV-Y-42 | Southbound I-5 HOV / Median Stripe | Yellow | [46] 2122021.95 (N) 6128902.362 (E) | 3000 | 890 | 0.78 | 3.2 | 0.63 | ND | |
| SB-HOV-Y-43 | Southbound I-5 HOV / Median Stripe | Yellow | [47] 2121060.559 (N) 6128188.118 (E) | 2100 | 660 | 1.4 | 4.2 | 0.65 | ND | |
| SB-HOV-Y-44 | Southbound I-5 HOV / Median Stripe | Yellow | [49] 2119144.839 (N) 6127244.207 (E) | 980 | 330 | 0.69 | 2.6 | 0.77 | ND | --- |
| SB-HOV-Y-45 | Southbound I-5 HOV / Median Stripe | Yellow | [51] 2117093.322 (N) 6127786.084 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|---------------------------------------|--------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-HOV-Y-46 | Southbound I-5 HOV / Median Stripe | Yellow | [52] 2116508.587 (N) 6128678.61 (E) | 840 | 240 | ND | 3.1 | ND | ND | --- |
| SB-HOV-Y-47 | Southbound I-5 HOV / Median Stripe | Yellow | [53] 2115901.758 (N) 6129513.605 (E) | 18 | ND | ND | ND | ND | ND | --- |
| SB-HOV-Y-48 | Southbound I-5 HOV / Median Stripe | Yellow | [54] 2115172.798 (N) 6130383.501 (E) | 23 | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-49 | Northbound I-5 HOV / Median Stripe | Yellow | [55] 2114643.648 (N) 6131045.383 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-50 | Northbound I-5 HOV / Median Stripe | Yellow | [56] 2115464.214 (N) 6130072.117 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-51 | Northbound I-5 HOV / Median Stripe | Yellow | [57] 2116204.116 (N) 6129189.416 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-52 | Northbound I-5 HOV / Median Stripe | Yellow | [58] 2116777.216 (N) 6128231.666 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-53 | Northbound I-5 HOV / Median Stripe | Yellow | [59] 2117489.527 (N) 6127513.447 (E) | 29 | ND | ND | ND | ND | ND | --- |
| NB-HOV-Y-54 | Northbound I-5 HOV / Median Stripe | Yellow | [60] 2118518.162 (N) 6127234.323 (E) | ND | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|------------------|---|--------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-CC-OR-W-55 | Camino Capistrano Onramp to Southbound I-5 Shoulder Stripe | White | [62] 2124730.088 (N) 6130649.007 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-CC-OR-Y-56 | Camino Capistrano Onramp to Southbound I-5 Shoulder Stripe | Yellow | [61] 2124740.557 (N) 6130677.63 (E) | 25000 | 6300 | 8.9 | 10 | 1 | ND | 100 |
| SB5-PCH-OFF-Y-57 | Southbound I-5 to Pacific Coast Highway Off-ramp Shoulder Stripe | Yellow | [63] 2116310.597 (N) 6128261.168 (E) | 29000 | 7200 | 6.6 | 9 | 3.7 | ND | 998 |
| SB5-PCH-OFF-W-58 | Southbound I-5 to Pacific Coast Highway Off-ramp Shoulder Stripe | White | [64] 2116303.059 (N) 6128250.471 (E) | 44 | 11 | ND | 0.53 | ND | ND | --- |
| SB5-CLR-OFF-Y-59 | Southbound I-5 to Camino Las Ramblas Off-ramp Shoulder Stripe | Yellow | [65] 2116337.227 (N) 6128293.941 (E) | 26 | ND | ND | ND | ND | ND | --- |
| SB5-CLR-OFF-W-60 | Southbound I-5 to Camino Las Ramblas Off-ramp Shoulder Stripe | White | [66] 2116318.617 (N) 6128276.404 (E) | 15 | 11 | ND | ND | ND | ND | --- |
| SB-PCH-5SB-W-61 | Southbound Pacific Coast Highway to I-5 Southbound Shoulder Stripe | White | [67] 2115401.462 (N) 6127841.722 (E) | 14 | ND | ND | ND | ND | ND | --- |

TABLE 1

SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|----------------------|--|--------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| SB-PCH-5SB-Y-62 | Southbound Pacific Coast Highway to I-5 Southbound Shoulder Stripe | Yellow | [68] 2115453.985 (N) 6127867.747 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-PCH-5SB-W-63 | Southbound Pacific Coast Highway to I-5 Southbound Shoulder Stripe | White | [69] 2116197.427 (N) 6128665.161 (E) | ND | ND | ND | ND | ND | ND | --- |
| SB-PCH-5SB-Y-64 | Southbound Pacific Coast Highway to I-5 Southbound Shoulder Stripe | Yellow | [70] 2116207.715 (N) 6128660.562 (E) | 13000 | 3300 | 5.6 | 11 | 1.2 | ND | 996 |
| NB-5 to PCH/CLR-W-65 | Northbound I-5 to Pacific Coast Highway / Camino Las Ramblas Off- | White | [71] 2115560.034 (N) 6130157.527 (E) | ND | ND | ND | ND | ND | ND | --- |
| NB-5 to CLR-OFF-Y-66 | Northbound I-5 to Camino Las Ramblas Off-ramp Shoulder Stripe | Yellow | [73] 2115870.909 (N) 6129858.868 (E) | 32000 | 8000 | 6.1 | 11 | 1.4 | ND | 1472 |
| CLR/PCH-UC-W-67 | Camino Las Ramblas / Pacific Coast Highway Undercrossing Shoulder Stripe | White | [74] 2116715.027 (N) 6128896.128 (E) | 29 | ND | ND | ND | ND | ND | --- |

TABLE 1**SUMMARY OF LEAD AND CHROMIUM BASED PAINT STRIPE AND MARKING LOCATIONS**

| TRC Sample # | Test Location(s) | Color | [Point ID] & GPS Location (N) = Northing; (E) = Easting | TTLC (mg/Kg) | | STLC (mg/L) | | TCLP (mg/L) | | Approx. Quantity (feet) |
|--------------|--|--------|--|-----------------|----------|----------------|----------|----------------|----------|-------------------------------|
| | | | | Lead | Chromium | Lead | Chromium | Lead | Chromium | |
| CLR-SB5-W-68 | Camino Las Ramblas Onramp To Southbound I-5 Shoulder Stripe | White | [76] 2116371.918 (N) 6128308.269 (E) | 11 | ND | ND | ND | ND | ND | --- |
| CLR-SB5-Y-69 | Camino Las Ramblas Onramp To Southbound I-5 Shoulder Stripe | Yellow | [75] 2116362.755 (N) 6128298.613 (E) | 41000 | 10000 | 7.6 | 12 | 1.6 | ND | 545 |
| CLR-5NB-W-70 | Camino Las Ramblas Onramp To Northbound I-5 Shoulder Stripe | White | [77] 2117151.418 (N) 6128027.603 (E) | 27 | ND | ND | ND | ND | ND | --- |
| CLR-5NB-Y-71 | Camino Las Ramblas Onramp To Northbound I-5 Shoulder Stripe | Yellow | [78] 2117142.132 (N) 6128008.711 (E) | 20000 | 5000 | 6.2 | 12 | 2.1 | ND | 2649 |

TABLE 2

TABLE 2
OCTA I-5 HOV IMPROVEMENT PROJECT
GLOBAL POSITIONING SYSTEM DATA FOR SAMPLE LOCATIONS
ORANGE COUNTY, CALIFORNIA

| Sample Description / Sample No. | GPS_Date | GPS_Time | Northing | Easting | Point_ID |
|--|-----------------|-----------------|-----------------|----------------|-----------------|
| sb shoulder white | 1/17/2012 | 11:01:45pm | 2124690.999 | 6130669.354 | 3 |
| sb lane marker white 2 | 1/17/2012 | 11:06:13pm | 2124685.438 | 6130682.641 | 4 |
| sb shoulder white 3 | 1/17/2012 | 11:10:02pm | 2123696.577 | 6130028.770 | 5 |
| sb lane marker white 4 | 1/17/2012 | 11:11:03pm | 2123681.084 | 6130031.687 | 6 |
| sb shoulder white 5 | 1/17/2012 | 11:15:32pm | 2122754.404 | 6129369.344 | 7 |
| sb lane marker white 6 | 1/17/2012 | 11:16:32pm | 2122735.923 | 6129373.049 | 8 |
| sb shoulder white 7 | 1/17/2012 | 11:19:30pm | 2121940.223 | 6128768.710 | 9 |
| sb lane marker white 8 | 1/17/2012 | 11:20:36pm | 2121927.774 | 6128770.821 | 10 |
| volume sample | 1/17/2012 | 11:21:59pm | 2121949.016 | 6128772.966 | 11 |
| sb shoulder white 9 | 1/17/2012 | 11:27:04pm | 2121081.226 | 6128125.669 | 12 |
| sb lane marker white 10 | 1/17/2012 | 11:28:23pm | 2121072.053 | 6128133.936 | 13 |
| sb shoulder white 11 | 1/17/2012 | 11:34:24pm | 2120174.027 | 6127509.884 | 14 |
| sb lane marker white 12 | 1/17/2012 | 11:35:13pm | 2120162.546 | 6127516.508 | 15 |
| sb lane marker white 14 | 1/17/2012 | 11:38:43pm | 2119116.763 | 6127190.080 | 16 |
| sb shoulder white 13 | 1/17/2012 | 11:40:34pm | 2119124.384 | 6127179.718 | 17 |
| sb lane marker white 2 pch 16 | 1/17/2012 | 11:44:25pm | 2118078.831 | 6127205.346 | 19 |
| sb shoulder white 15 | 1/17/2012 | 11:45:56pm | 2118082.605 | 6127193.415 | 20 |
| sb lane marker white 18 | 1/17/2012 | 11:49:56pm | 2116985.621 | 6127827.215 | 21 |
| sb shoulder white 17 | 1/17/2012 | 11:50:46pm | 2116978.721 | 6127817.059 | 22 |
| sb shoulder white 19 | 1/17/2012 | 11:54:23pm | 2116364.677 | 6128789.764 | 23 |
| sb lane marker white 20 | 1/17/2012 | 11:55:20pm | 2116369.861 | 6128805.652 | 24 |
| sb shoulder white 21 | 1/18/2012 | 12:00:09am | 2115722.545 | 6129619.253 | 25 |
| sb shoulder diag white 22 | 1/18/2012 | 12:01:53am | 2115725.433 | 6129608.998 | 26 |
| sb lane marker white 24 | 1/18/2012 | 12:08:27am | 2115072.978 | 6130423.468 | 27 |
| sb shoulder white 23 | 1/18/2012 | 12:09:39am | 2115062.426 | 6130416.211 | 28 |
| north bound lane marker white 26 | 1/18/2012 | 12:29:32am | 2114471.162 | 6131343.256 | 29 |
| north bound shoulder white 25 | 1/18/2012 | 12:30:59am | 2114480.138 | 6131350.202 | 30 |
| north bound shoulder white 27 | 1/18/2012 | 12:37:07am | 2115308.928 | 6130344.418 | 31 |
| north bound lane marker white 28 | 1/18/2012 | 12:37:53am | 2115301.949 | 6130334.384 | 32 |
| north bound lane marker 30 | 1/18/2012 | 12:45:08am | 2115937.510 | 6129562.309 | 33 |
| north bound shoulder white 29 | 1/18/2012 | 12:46:44am | 2115953.699 | 6129564.524 | 34 |
| north bound shoulder white 31 | 1/18/2012 | 12:52:13am | 2116540.580 | 6128781.914 | 35 |
| north bound lane marker white 32 | 1/18/2012 | 12:52:56am | 2116531.951 | 6128772.034 | 36 |
| north bound shoulder white 33 | 1/18/2012 | 12:57:59am | 2117224.485 | 6127778.653 | 37 |
| north bound lane marker white 34 | 1/18/2012 | 01:02:24am | 2118495.101 | 6127284.018 | 38 |
| north bound shoulder white 35 | 1/18/2012 | 01:06:41am | 2119247.600 | 6127342.383 | 39 |
| north bound lane marker white 36 | 1/18/2012 | 01:09:21am | 2120193.243 | 6127664.645 | 40 |
| north bound shoulder white 37 | 1/18/2012 | 01:11:45am | 2121234.343 | 6128427.392 | 41 |
| north bound lane marker white 38 | 1/18/2012 | 01:15:13am | 2121972.595 | 6128948.469 | 42 |
| sb hov yellow 39 | 1/18/2012 | 01:25:48am | 2124587.412 | 6130677.190 | 43 |
| sb hov yellow 40 | 1/18/2012 | 01:31:39am | 2123557.734 | 6130009.036 | 44 |
| sb hov yellow 41 | 1/18/2012 | 01:36:50am | 2122668.525 | 6129382.641 | 45 |
| sb hov yellow 42 | 1/18/2012 | 01:42:53am | 2122021.950 | 6128902.362 | 46 |
| sb hov yellow 43 | 1/18/2012 | 01:46:53am | 2121060.559 | 6128188.118 | 47 |
| sb hov yellow thin no sample | 1/18/2012 | 01:50:19am | 2119908.149 | 6127451.547 | 48 |

TABLE 2
OCTA I-5 HOV IMPROVEMENT PROJECT
GLOBAL POSITIONING SYSTEM DATA FOR SAMPLE LOCATIONS
ORANGE COUNTY, CALIFORNIA

| Sample Description / Sample No. | GPS_Date | GPS_Time | Northing | Easting | Point_ID |
|--|-----------------|-----------------|-----------------|----------------|-----------------|
| sb hov yellow 44 | 1/18/2012 | 01:54:01am | 2119144.839 | 6127244.207 | 49 |
| sb hov yellow thin no sample | 1/18/2012 | 01:56:42am | 2117969.886 | 6127294.899 | 50 |
| sb hov yellow 45 | 1/18/2012 | 01:59:12am | 2117093.322 | 6127786.084 | 51 |
| sb hov yellow 46 | 1/18/2012 | 02:03:25am | 2116508.587 | 6128678.610 | 52 |
| sb hov yellow 47 | 1/18/2012 | 02:06:24am | 2115901.758 | 6129513.605 | 53 |
| sb hov yellow 48 | 1/18/2012 | 02:16:06am | 2115172.798 | 6130383.501 | 54 |
| north bound hov yellow 49 | 1/18/2012 | 02:23:26am | 2114643.648 | 6131045.383 | 55 |
| north bound hov yellow 50 | 1/18/2012 | 02:29:56am | 2115464.214 | 6130072.117 | 56 |
| north bound hov yellow 51 | 1/18/2012 | 02:36:11am | 2116204.116 | 6129189.416 | 57 |
| north bound hov yellow 52 | 1/18/2012 | 02:40:31am | 2116777.216 | 6128231.666 | 58 |
| north bound hov yellow 53 | 1/18/2012 | 02:46:17am | 2117489.527 | 6127513.447 | 59 |
| north bound hov yellow 54 | 1/18/2012 | 02:51:15am | 2118518.162 | 6127234.323 | 60 |
| sb camino or yellow 56 | 1/18/2012 | 03:28:35am | 2124740.557 | 6130677.630 | 61 |
| sb camino or white 55 | 1/18/2012 | 03:29:49am | 2124730.088 | 6130649.007 | 62 |
| sb 5 pch offramp yellow 57 | 1/18/2012 | 03:41:09am | 2116310.597 | 6128261.168 | 63 |
| sb 5 pch offramp white 58 | 1/18/2012 | 03:43:06am | 2116303.059 | 6128250.471 | 64 |
| sb 5 clr offramp yellow 59 | 1/18/2012 | 03:46:19am | 2116337.227 | 6128293.941 | 65 |
| sb 5 clr offramp white 60 | 1/18/2012 | 03:47:35am | 2116318.617 | 6128276.404 | 66 |
| sb pch to 5 sb white 61 | 1/18/2012 | 03:57:59am | 2115401.462 | 6127841.722 | 67 |
| sb pch to 5 sb yellow 62 | 1/18/2012 | 04:02:29am | 2115453.985 | 6127867.747 | 68 |
| sb pch to 5 sb white 63 | 1/18/2012 | 04:06:19am | 2116197.427 | 6128665.161 | 69 |
| sb pch to 5 sb yellow 64 | 1/18/2012 | 04:07:49am | 2116207.715 | 6128660.562 | 70 |
| nb 5 pch/clr offramp white 65 | 1/18/2012 | 04:17:29am | 2115560.034 | 6130157.527 | 71 |
| thin yellow thin no sample | 1/18/2012 | 04:21:16am | 2115648.528 | 6130020.962 | 72 |
| nb 5 clr offramp yellow 66 | 1/18/2012 | 04:23:30am | 2115870.909 | 6129858.868 | 73 |
| clr / pch undercrossing white 67 | 1/18/2012 | 04:28:23am | 2116715.027 | 6128896.128 | 74 |
| clr to 5 sb yellow 69 | 1/18/2012 | 04:31:14am | 2116362.755 | 6128298.613 | 75 |
| clr to 5 sb white 68 | 1/18/2012 | 04:32:31am | 2116371.918 | 6128308.269 | 76 |
| clr to 5 nb white 70 | 1/18/2012 | 04:42:23am | 2117151.418 | 6128027.603 | 77 |
| clr to 5 nb yellow 71 | 1/18/2012 | 04:43:25am | 2117142.132 | 6128008.711 | 78 |

TABLE 3

Table 3
Summary Statistical Analysis
I-5 HOV Lane, Segment 3 -
0.4 Miles South of Avenida Pico to 0.1 Mile South of San Juan Creek Road
Lane Striping and Roadway Marking Paint Chip Sampling

| | TTLIC Lead (mg/kg) | TTLIC Chromium (mg/kg) | STLC Lead (mg/l) | STLC Chromium (mg/l) | TCLP Lead (mg/l) |
|---|--------------------|------------------------|------------------|-------------------------------|------------------|
| Sample Count | 71 | 71 | 71 | 71 | 71 |
| Detection Count | 29 | 15 | 12 | 14 | 11 |
| Detection Frequency (%) | 40.8% | 21.1% | 16.9% | 19.7% | 15.5% |
| Maximum | 41,000 | 10,000 | 8.9 | 12 | 3.7 |
| Minimum | 11 | 11 | 0.69 | 0.53 | 0.5 |
| Average (Mean) | 5,997 | 2,931 | 4 | 7 | 1 |
| CCR Title 22 Threshold | 1,000 | 2,500 | 5 | 5 | 5 |
| # detections above CCR Title 22 | 11 | 6 | 6 | 7 | 0 |
| Individual Samples Exceeding Lead or Chromium TTLIC/STLC Limits | | | | | |
| Sample ID | TTLIC Lead | TTLIC Chromium | STLC Lead | STLC Chromium | TCLP Lead |
| SB-HOV-Y-39 | Yes | No | No | No | None |
| SB-HOV-Y-40 | Yes | No | No | Yes | |
| SB-HOV-Y-41 | Yes | No | No | No | |
| SB-HOV-Y-42 | Yes | No | No | No | |
| SB-HOV-Y-43 | Yes | No | No | No | |
| SB-CC-OR-Y-56 ^[T] | Yes | Yes | Yes | Yes | |
| SB5-PCH-OFF-Y-57 ^[T] | Yes | Yes | Yes | Yes | |
| SB-PCH-5SB-Y-64 ^[T] | Yes | Yes | Yes | Yes | |
| NB-5 to CLR-OFF-Y-66 ^[T] | Yes | Yes | Yes | Yes | |
| CLR-SB5-Y-69 ^[T] | Yes | Yes | Yes | Yes | |
| CLR-5NB-Y-71 ^[T] | Yes | Yes | Yes | Yes | |
| Statistical Summary (all data) | | | | | |
| 90% UCL (all data) | 4,134 | 1,355 | 1.88 | 1.96 | 0.49 |
| Apparent Data Distribution | Non-Parametric | Gamma | Non-Parametric | Normal | Lognormal |
| Basis for 90% UCL (all data) | KM Bootstrap t | Gamma Approximate | KM (Chebyshev) | Student t (DL/2 Substitution) | H-UCL |
| Statistical Summary (Truncated Sample Set) ^[1] | | | | | |
| 90% UCL (Truncated) | 462 | NA | NA | NA | NA |
| Apparent Data Distribution | Non-Parametric | NA | NA | NA | NA |
| Basis for 90% UCL (Truncated) | KM (Chebyshev) | NA | NA | NA | NA |
| Notes: | | | | | |
| Exceeds California Hazardous Waste Criteria (TTLIC or STLC) | | | | | |
| [1] - Truncated Sample Set excludes all samples with Total Lead concentration greater than 3,000 mg/kg. | | | | | |
| [T] - Sample removed from Truncated Sample Set for Statistical Analysis | | | | | |
| NA = Not Applicable (90% UCL Below Regulatory Thresholds for full data set) | | | | | |
| Statistical Calculations derived from ProUCL Version 4.1 based on the underlying data distribution | | | | | |

FIGURES



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
San Clemente Quadrangle

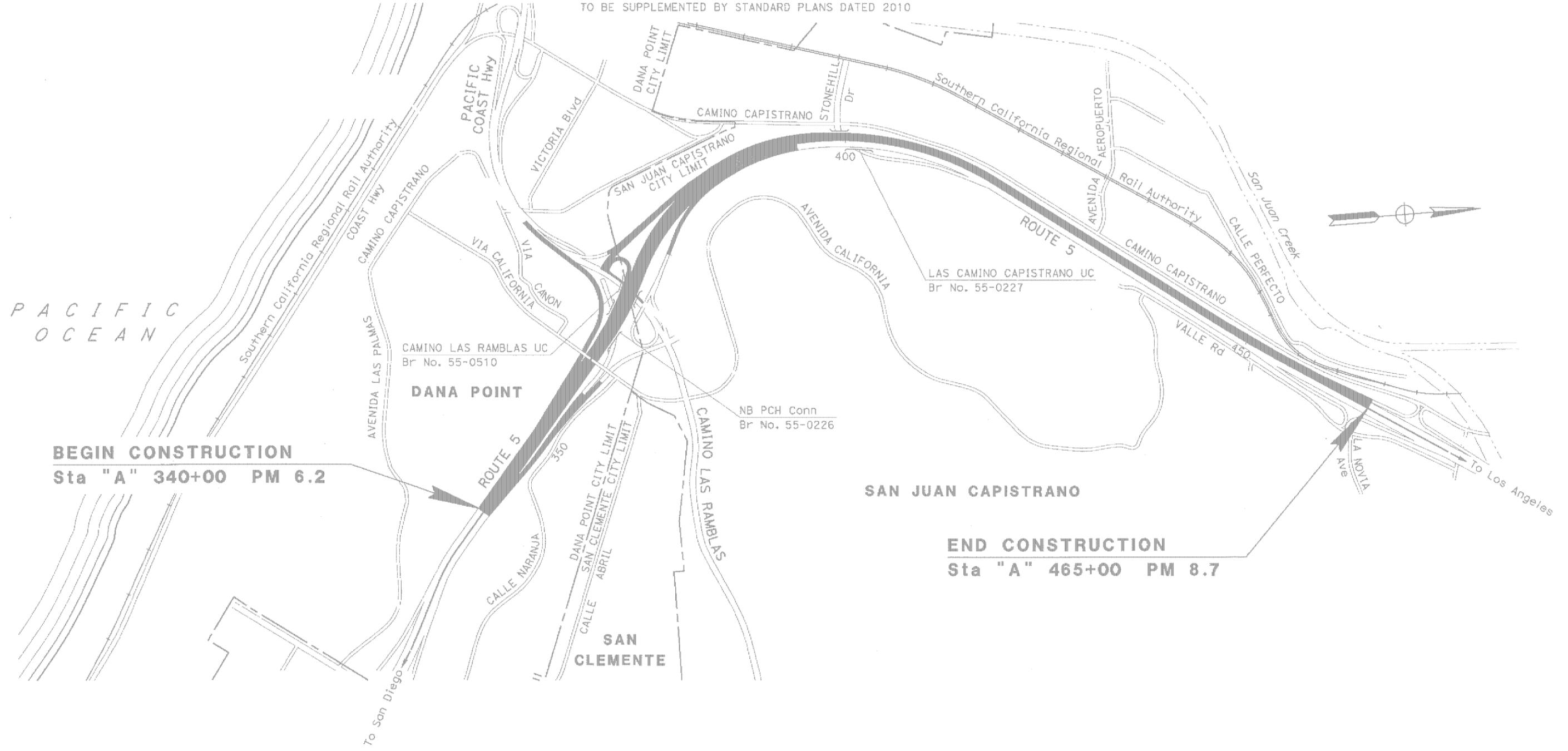


STATE HIGHWAY
IN ORANGE COUNTY FROM 0.43
MILES NORTH OF CAMINO DE
ESTRELLA OVERCROSSING TO 0.24
MILE SOUTH OF SAN JUAN CREEK
ROAD UNDERCROSSING

VICINITY MAP

FIGURE 1

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

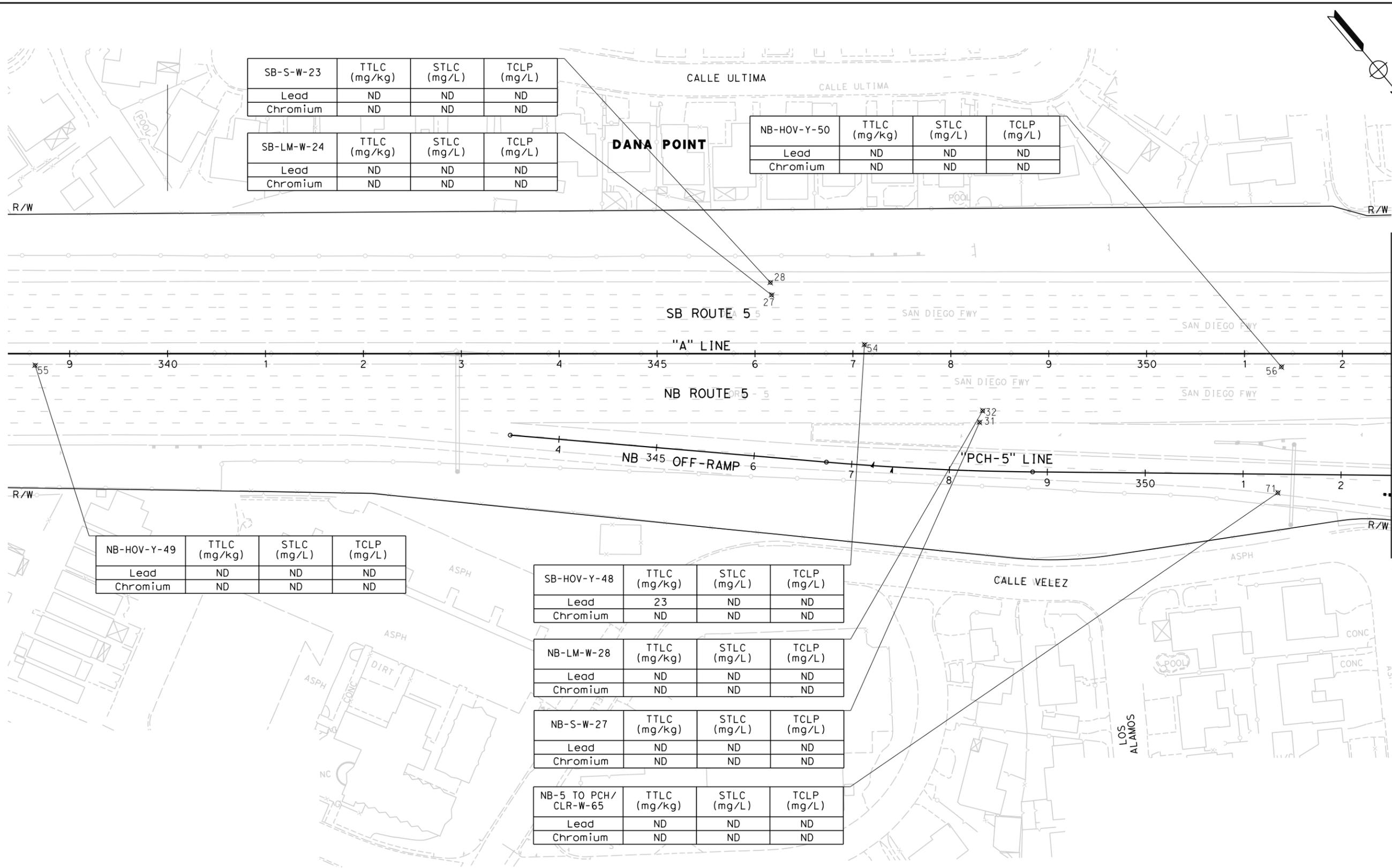
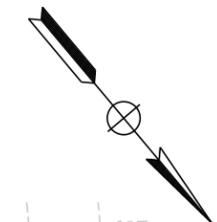


BEGIN CONSTRUCTION
Sta "A" 340+00 PM 6.2

END CONSTRUCTION
Sta "A" 465+00 PM 8.7

MS=1:1 L:\Graphics\Projects\ByName\OCTA (I-5 HOV PS&E)\CADD\OCTA-I5 HOV SP.dwg Sep 29, 2011 - 4:32pm Rcollins

| | | | |
|---------------------|---|--|--|
| <p>NOT TO SCALE</p> |  | <p>PROJECT: EA 12-0F96E1 FACILITY: STATE HIGHWAY IN ORANGE COUNTY FROM 0.43 MILES NORTH OF CAMINO DE ESTRELLA OVERCROSSING TO 0.24 MILE SOUTH OF SAN JUAN CREEK ROAD UNDERCROSSING</p> | <p>SITE PLAN</p> <hr/> <p>FIGURE 2</p> |
|---------------------|---|--|--|



| | | | |
|-----------|---------------|-------------|-------------|
| SB-S-W-23 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|------------|---------------|-------------|-------------|
| SB-LM-W-24 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-------------|---------------|-------------|-------------|
| NB-HOV-Y-50 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-------------|---------------|-------------|-------------|
| NB-HOV-Y-49 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-------------|---------------|-------------|-------------|
| SB-HOV-Y-48 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 23 | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|------------|---------------|-------------|-------------|
| NB-LM-W-28 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-----------|---------------|-------------|-------------|
| NB-S-W-27 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|----------------------|---------------|-------------|-------------|
| NB-5 TO PCH/CLR-W-65 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_001.dgn



PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP

FIGURE 3

MATCH LINE
 SEE FIGURE 4

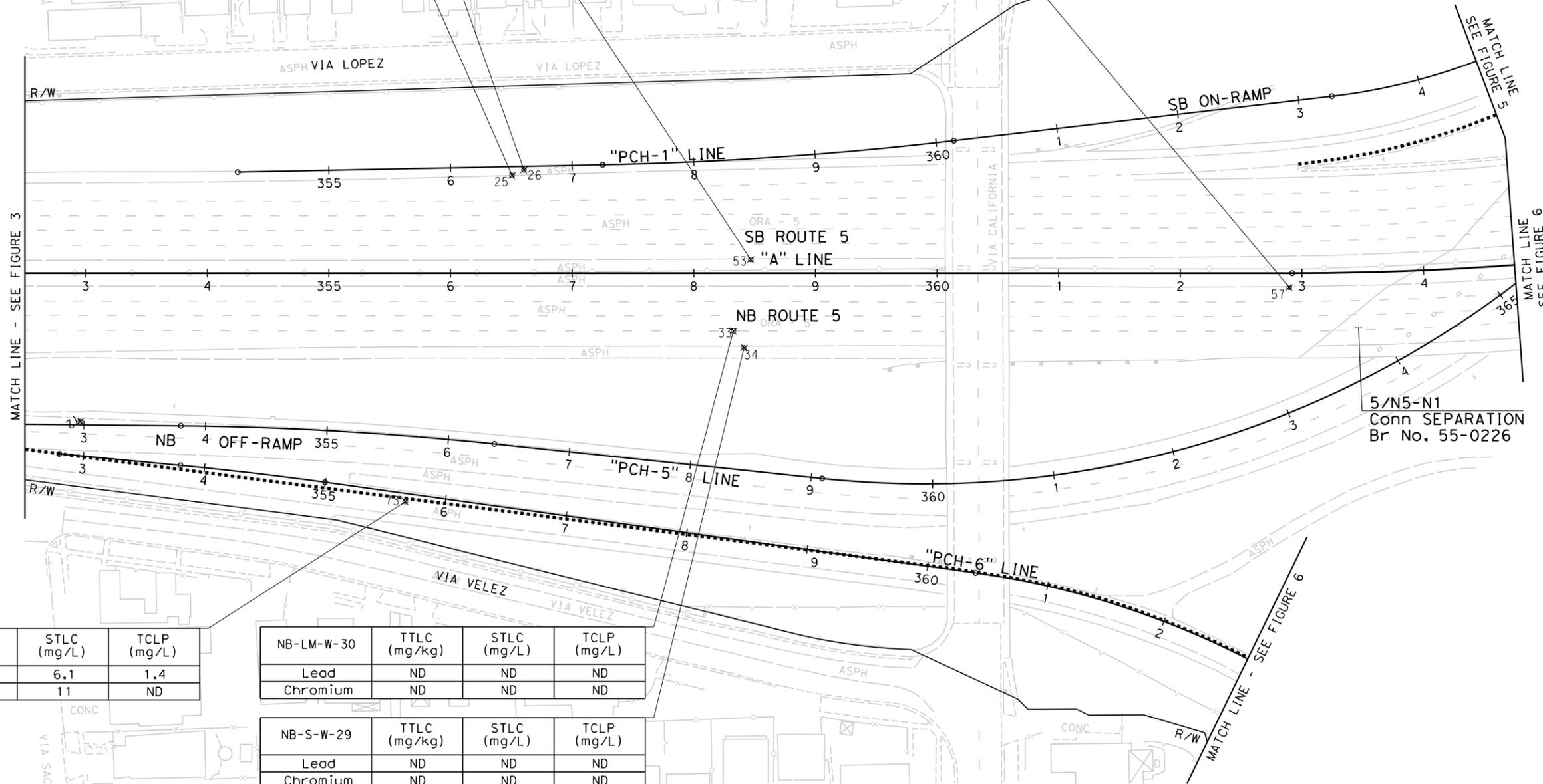
| SB-HOV-Y-47 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 18 | ND | ND |
| Chromium | ND | ND | ND |

| SB-SD-W-22 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | 12 | ND | ND |
| Chromium | ND | ND | ND |

DANA POINT

| SB-S-W-21 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | 15 | ND | ND |
| Chromium | ND | ND | ND |

| NB-HOV-Y-51 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |



| NB-5 TO CLR-OFF-Y-66 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|----------------------|---------------|-------------|-------------|
| Lead | 32000 | 6.1 | 1.4 |
| Chromium | 8000 | 11 | ND |

| NB-LM-W-30 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| NB-S-W-29 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'



USERNAME => pwbrown
 DGN FILE => ... \LBP_002.dgn

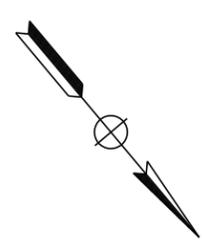


PROJECT: 181348

**FACILITY:
 I-5 HOV PROJECT
 ORANGE COUNTY,
 CALIFORNIA**

SAMPLE LOCATION MAP

FIGURE 4



| SB-PCH-5SB-W-63 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-PCH-5SB-Y-64 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------------|---------------|-------------|-------------|
| Lead | 13000 | 5.6 | 1.2 |
| Chromium | 3300 | 11 | ND |

| SB-PCH-5SB-W-61 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------------|---------------|-------------|-------------|
| Lead | 14 | ND | ND |
| Chromium | ND | ND | ND |

| SB-PCH-5SB-Y-62 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| CLR-SB5-Y-69 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|--------------|---------------|-------------|-------------|
| Lead | 41000 | 7.6 | 1.6 |
| Chromium | 10000 | 12 | ND |

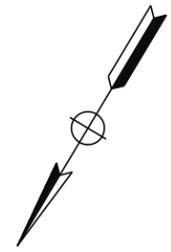
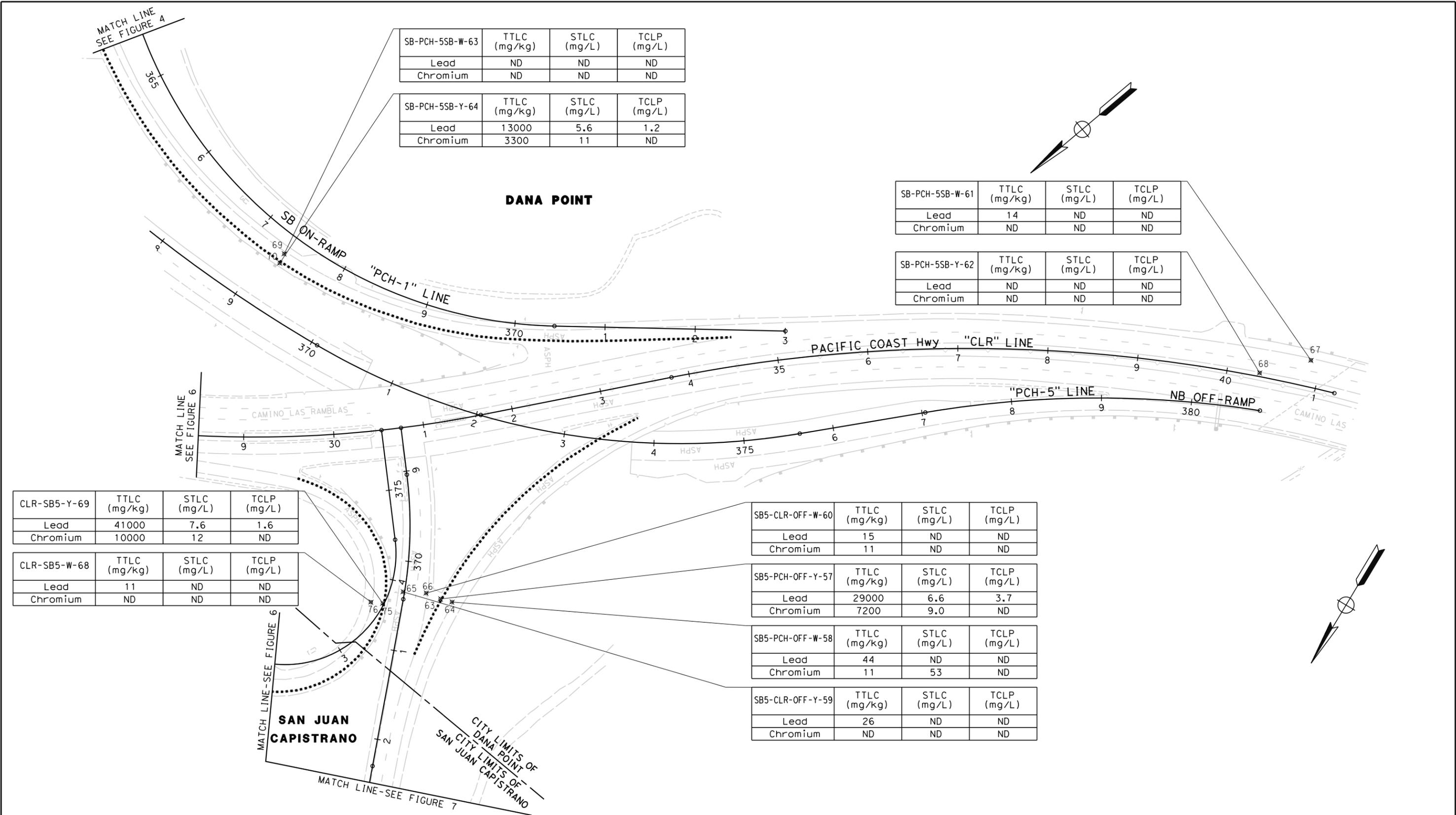
| CLR-SB5-W-68 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|--------------|---------------|-------------|-------------|
| Lead | 11 | ND | ND |
| Chromium | ND | ND | ND |

| SB5-CLR-OFF-W-60 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------------|---------------|-------------|-------------|
| Lead | 15 | ND | ND |
| Chromium | 11 | ND | ND |

| SB5-PCH-OFF-Y-57 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------------|---------------|-------------|-------------|
| Lead | 29000 | 6.6 | 3.7 |
| Chromium | 7200 | 9.0 | ND |

| SB5-PCH-OFF-W-58 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------------|---------------|-------------|-------------|
| Lead | 44 | ND | ND |
| Chromium | 11 | 53 | ND |

| SB5-CLR-OFF-Y-59 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------------|---------------|-------------|-------------|
| Lead | 26 | ND | ND |
| Chromium | ND | ND | ND |



LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'
 0 25 50 100
 USERNAME => pwbrown
 DGN FILE => ... \LBP_003.dgn



PROJECT: 181348
FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP
FIGURE 5

| | | | |
|-----------|---------------|-------------|-------------|
| SB-S-W-19 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 19 | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|------------|---------------|-------------|-------------|
| SB-LM-W-20 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

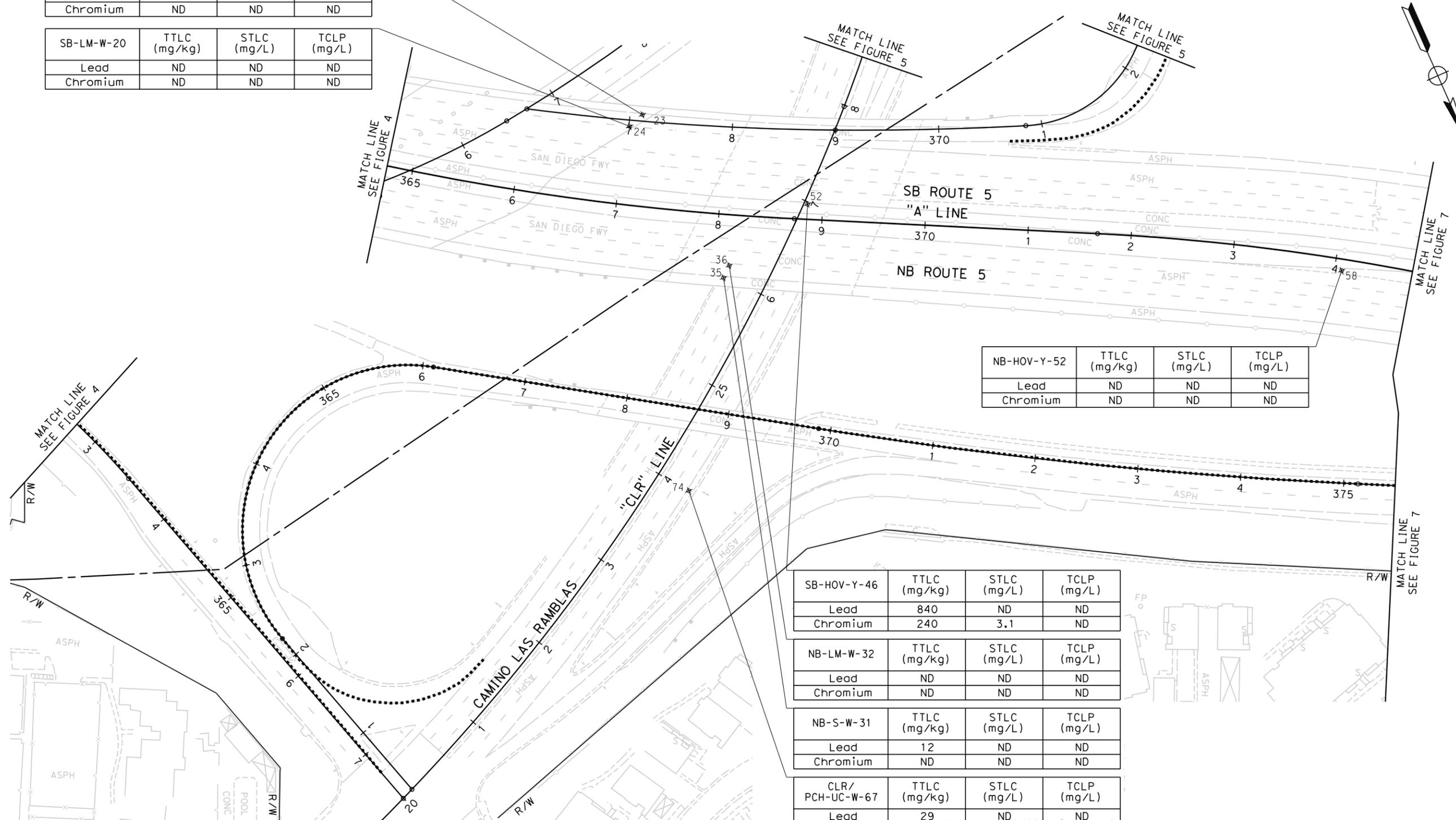
| | | | |
|-------------|---------------|-------------|-------------|
| NB-HOV-Y-52 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-------------|---------------|-------------|-------------|
| SB-HOV-Y-46 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 840 | ND | ND |
| Chromium | 240 | 3.1 | ND |

| | | | |
|------------|---------------|-------------|-------------|
| NB-LM-W-32 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-----------|---------------|-------------|-------------|
| NB-S-W-31 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 12 | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|---------------------|---------------|-------------|-------------|
| CLR/ PCH-UC-W-67 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 29 | ND | ND |
| Chromium | ND | ND | ND |



LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_004.dgn



PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP

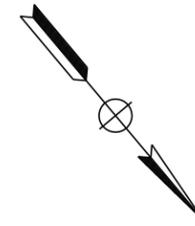
FIGURE 6

| | | | |
|-------------|---------------|-------------|-------------|
| SB-HOV-Y-45 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-----------|---------------|-------------|-------------|
| SB-S-W-17 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|------------|---------------|-------------|-------------|
| SB-LM-W-18 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

SAN JUAN CAPISTRANO



MATCH LINE
SEE FIGURE 5

MATCH LINE
SEE FIGURE 6

MATCH LINE
SEE FIGURE 6

MATCH LINE - SEE FIGURE 8

| | | | |
|--------------|---------------|-------------|-------------|
| CLR-5NB-Y-71 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 20000 | 6.2 | 2.1 |
| Chromium | 5000 | 12 | ND |

| | | | |
|--------------|---------------|-------------|-------------|
| CLR-5NB-W-70 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 27 | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-----------|---------------|-------------|-------------|
| NB-S-W-33 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| | | | |
|-------------|---------------|-------------|-------------|
| NB-HOV-Y-53 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
| Lead | 29 | ND | ND |
| Chromium | ND | ND | ND |

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_005.dgn

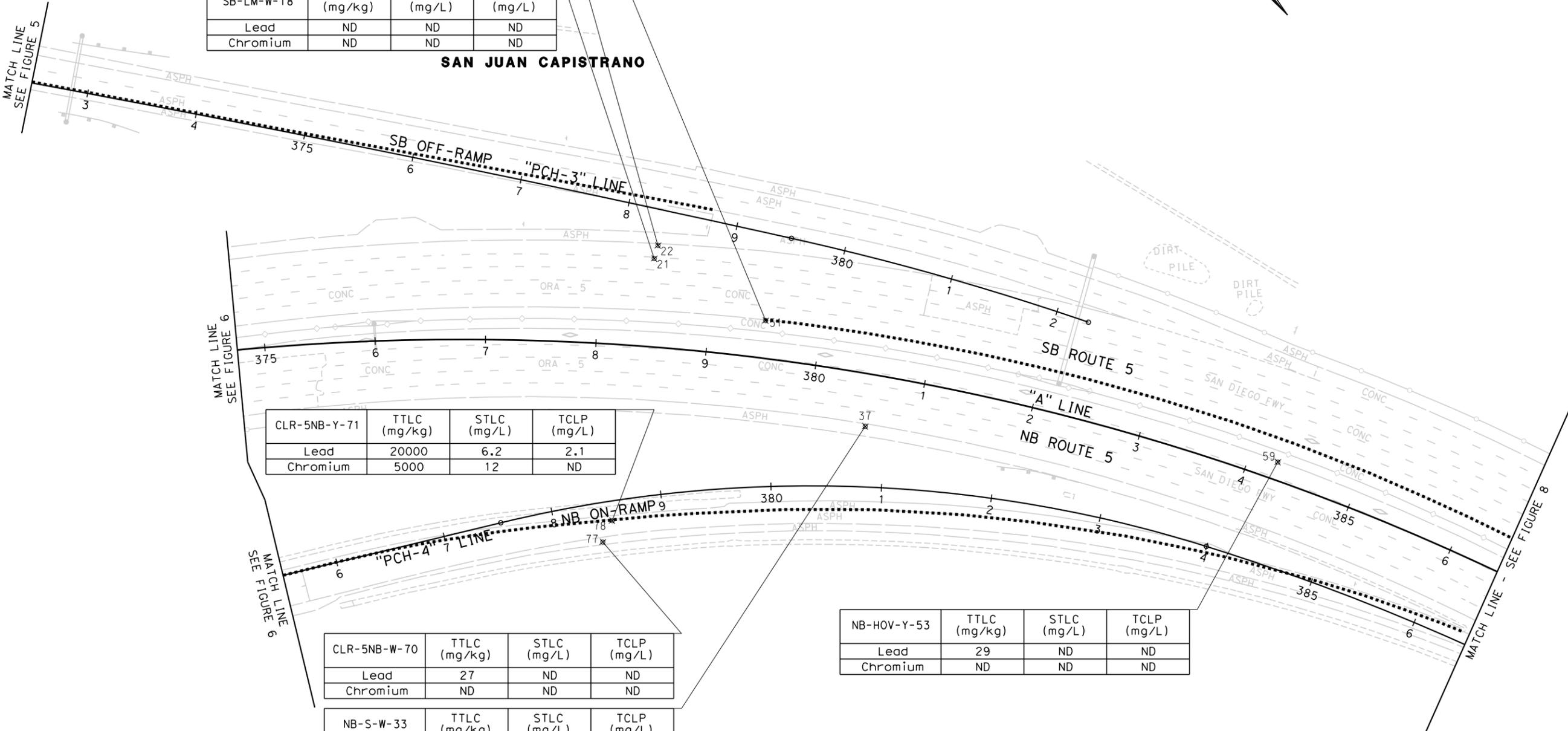


PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP

FIGURE 7

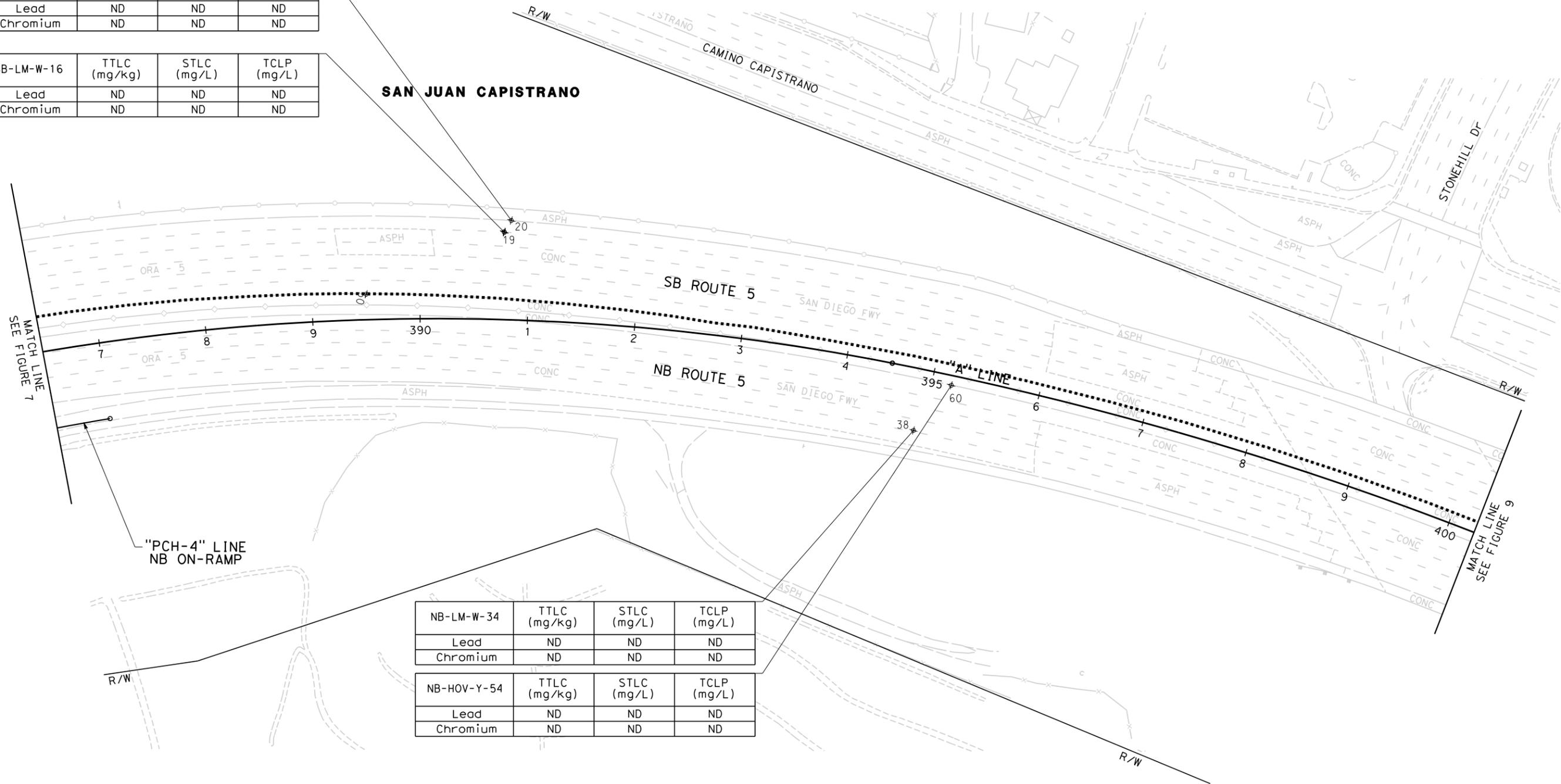




| SB-S-W-15 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-LM-W-16 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

SAN JUAN CAPISTRANO

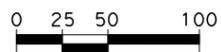


| NB-LM-W-34 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| NB-HOV-Y-54 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'



USERNAME => pwbrown
 DGN FILE => ... \LBP_006.dgn



PROJECT: 181348

**FACILITY:
 I-5 HOV PROJECT
 ORANGE COUNTY,
 CALIFORNIA**

SAMPLE LOCATION MAP

FIGURE 8

| SB-LM-W-14 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-S-W-13 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

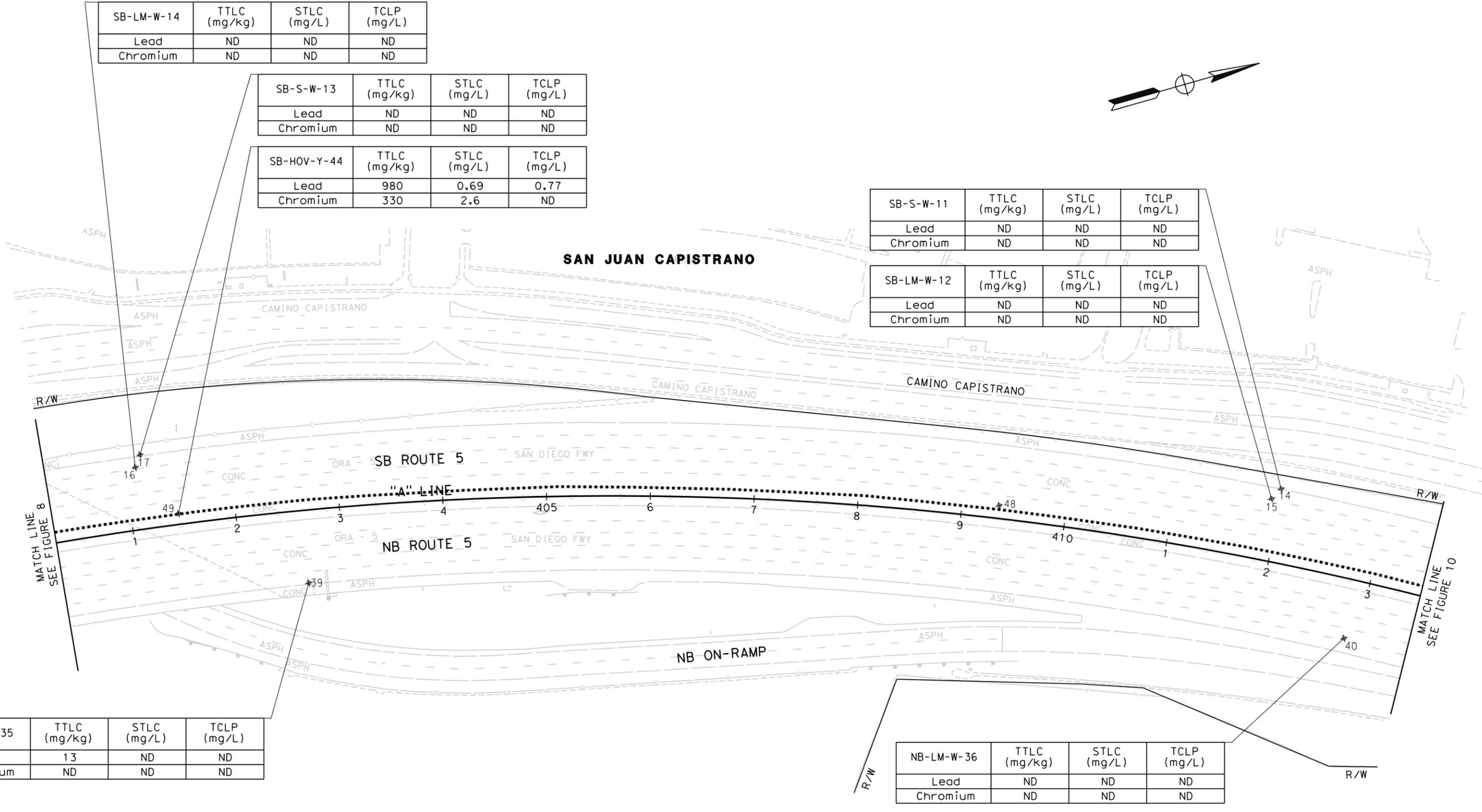
| SB-HOV-Y-44 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 980 | 0.69 | 0.77 |
| Chromium | 330 | 2.6 | ND |

| SB-S-W-11 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-LM-W-12 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| NB-S-W-35 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | 13 | ND | ND |
| Chromium | ND | ND | ND |

| NB-LM-W-36 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |



LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_007.dgn

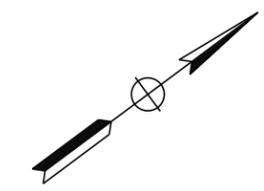


PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

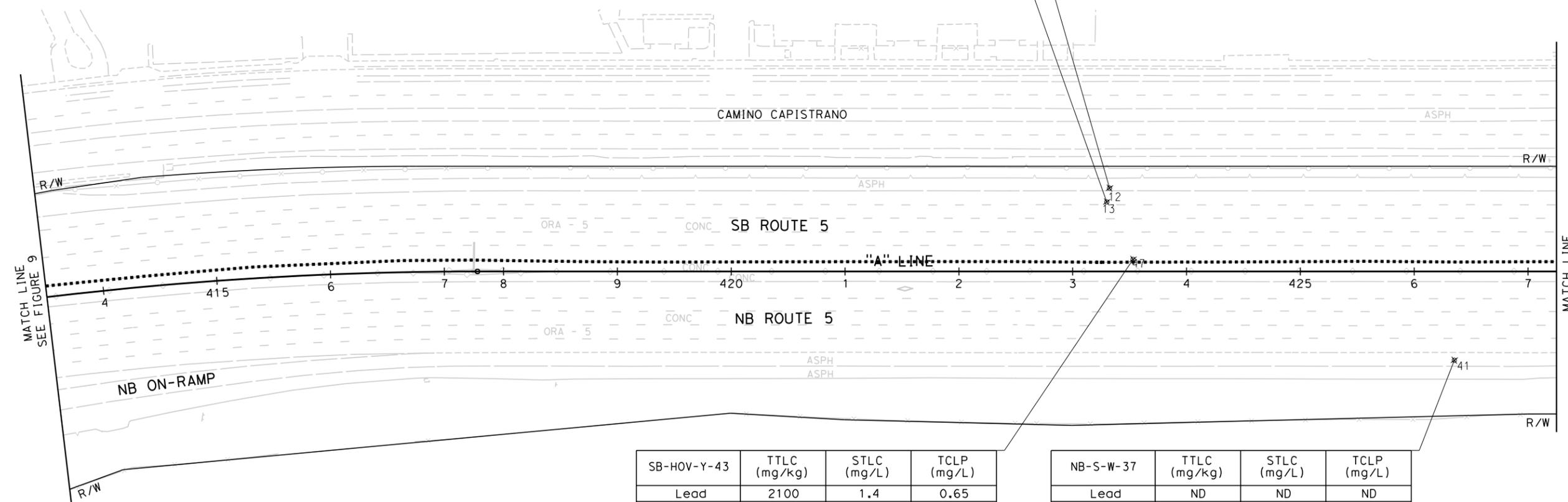
SAMPLE LOCATION MAP

FIGURE 9



| SB-S-W-9 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-LM-W-10 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |



| SB-HOV-Y-43 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 2100 | 1.4 | 0.65 |
| Chromium | 660 | 4.2 | ND |

| NB-S-W-37 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_008.dgn

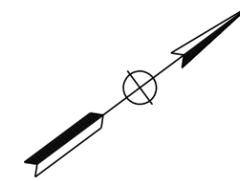


PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

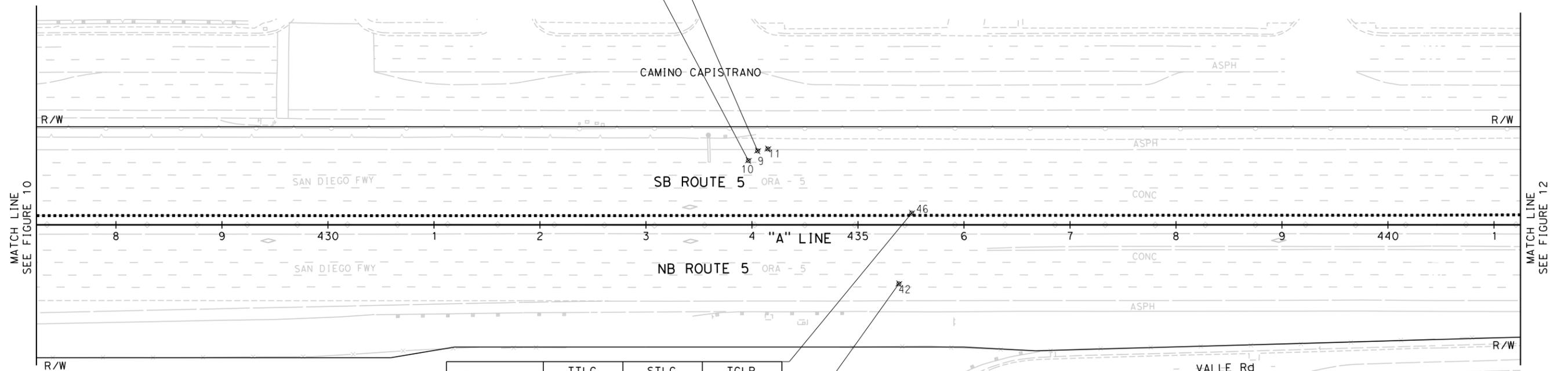
SAMPLE LOCATION MAP

FIGURE 10



| SB-S-W-7 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-LM-W-8 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |



| SB-HOV-Y-42 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 3000 | 0.78 | 0.63 |
| Chromium | 890 | 3.2 | ND |

| NB-LM-W-38 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|------------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

MATCH LINE
SEE FIGURE 10

MATCH LINE
SEE FIGURE 12

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

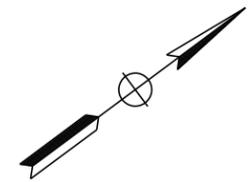
USERNAME => pwbrown
 DGN FILE => ... \LBP_009.dgn



PROJECT: 181348
FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP

FIGURE 11

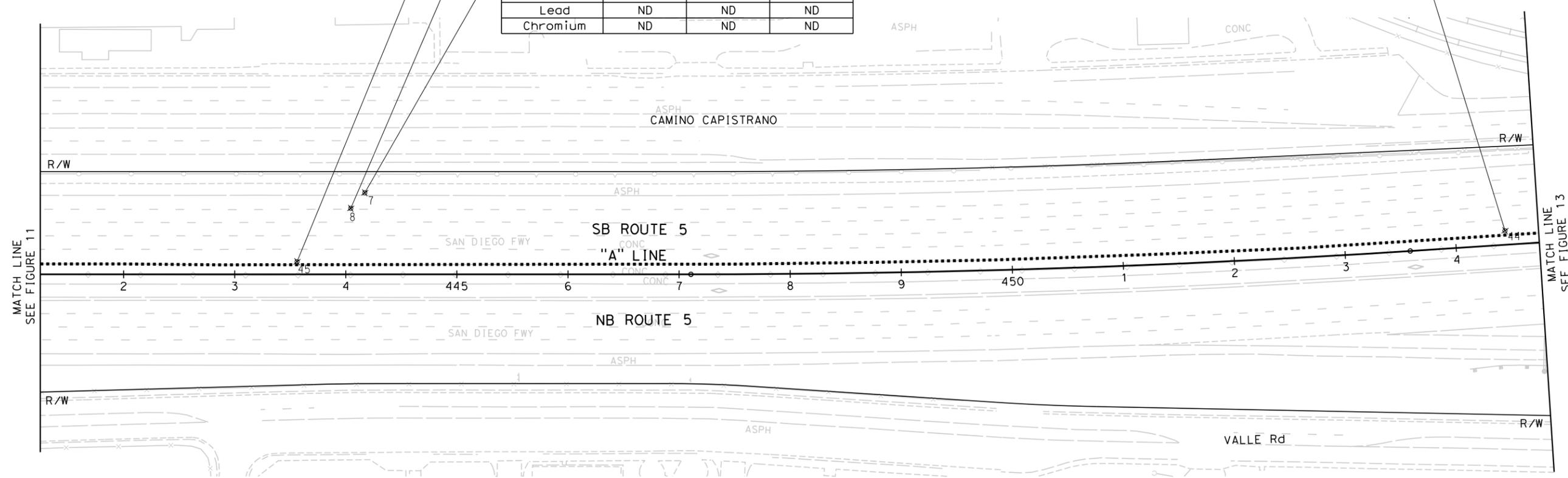


| SB-HOV-Y-41 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 2300 | 0.93 | ND |
| Chromium | 700 | 3.2 | ND |

| SB-LM-W-6 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-S-W-5 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|----------|---------------|-------------|-------------|
| Lead | ND | ND | ND |
| Chromium | ND | ND | ND |

| SB-HOV-Y-40 | TTLIC (mg/kg) | STLC (mg/L) | TCLP (mg/L) |
|-------------|---------------|-------------|-------------|
| Lead | 2200 | 1.0 | 0.60 |
| Chromium | 680 | 5.2 | ND |



MATCH LINE
SEE FIGURE 11

MATCH LINE
SEE FIGURE 13

LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

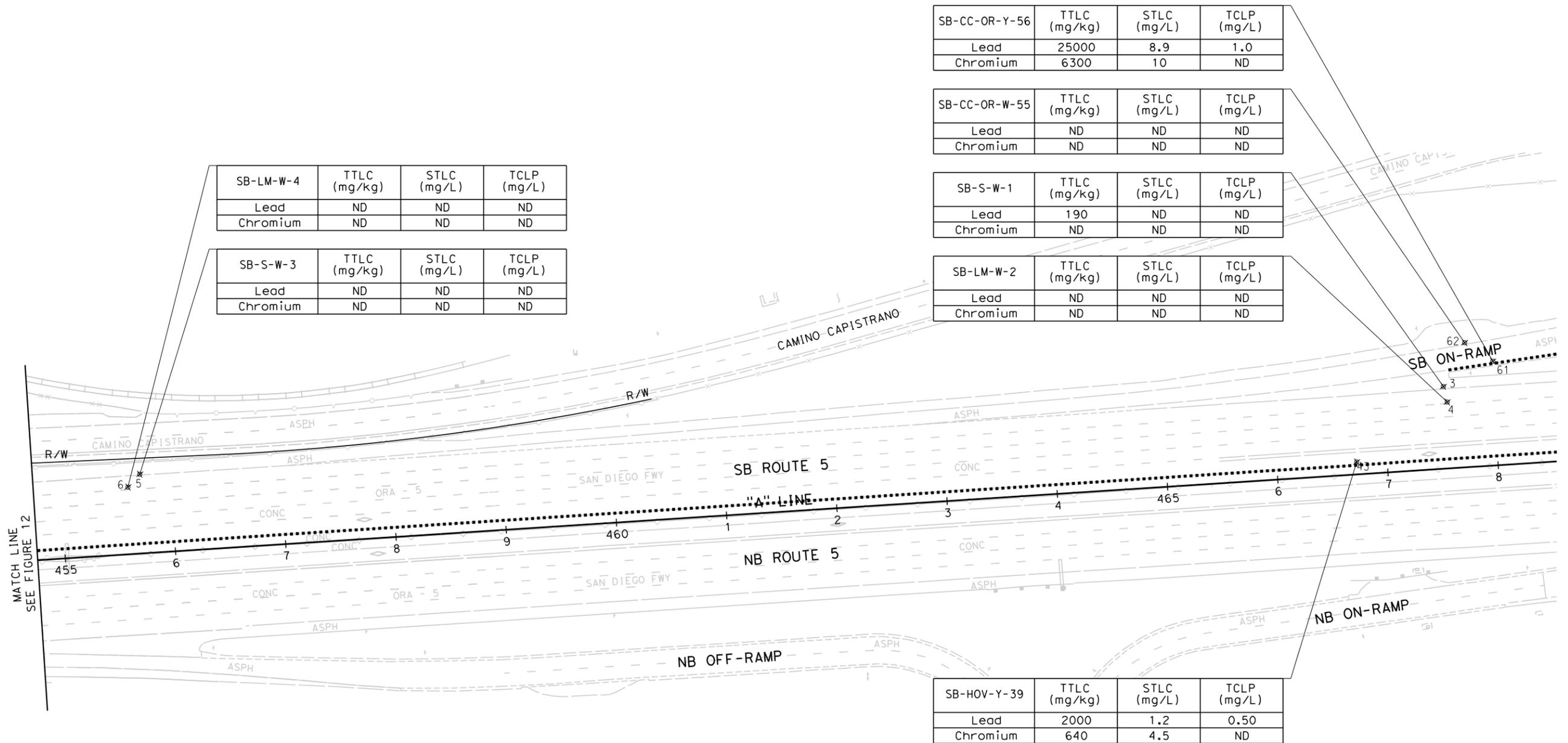
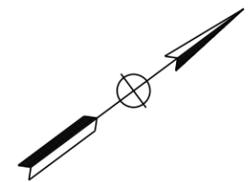
SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_010.dgn



PROJECT: 181348
FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP
FIGURE 12



LEGEND:
 = Lead Based Paint
 mg/kg = milligrams per kilogram
 mg/L = milligrams per liter
 TTLIC = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure

SCALE: 1"=100'

USERNAME => pwbrown
 DGN FILE => ... \LBP_011.dgn



PROJECT: 181348

FACILITY:
I-5 HOV PROJECT
ORANGE COUNTY,
CALIFORNIA

SAMPLE LOCATION MAP

FIGURE 13

APPENDIX A

**BULK PAINT CHIP LABORATORY ANALYTICAL RESULTS
AND
CHAIN OF CUSTODY**



E.S.BABCOCK& Sons, Inc.
 Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
 Contact: David Lennon
 Address: 123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 1 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1970-01 | 1 Inch For Weight Only | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-02 | SB-S-W-1 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-03 | SB-LM-W-2 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-04 | SB-S-W-3 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-05 | SB-LM-W-4 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-06 | SB-S-W-5 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-07 | SB-LM-W-6 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-08 | SB-S-W-7 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-09 | SB-LM-W-8 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-10 | SB-S-W-9 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-11 | SB-LM-W-10 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-12 | SB-S-W-11 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-13 | SB-LM-W-12 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-14 | SB-S-W-13 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-15 | SB-LM-W-14 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-16 | SB-S-W-15 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK& Sons, Inc.
 Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
 Contact: David Lennon
 Address: 123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 2 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1970-17 | SB-LM-W-16 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-18 | SB-S-W-17 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-19 | SB-LM-W-18 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-20 | SB-S-W-19 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-21 | SB-LM-W-20 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-22 | SB-S-W-21 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-23 | SB-SD-W-22 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-24 | SB-S-W-23 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-25 | SB-LM-W-24 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-26 | NB-S-W-25 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-27 | NB-LM-W-26 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-28 | NB-S-W-27 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-29 | NB-LM-W-28 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-30 | NB-S-W-29 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-31 | NB-LM-W-30 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-32 | NB-S-W-31 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 3 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1970-33 | NB-LM-W-32 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-34 | NB-S-W-33 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-35 | NB-LM-W-34 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-36 | NB-S-W-35 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-37 | NB-LM-W-36 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-38 | NB-S-W-37 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-39 | NB-LM-W-38 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-40 | SB-HOV-Y-39 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-41 | SB-HOV-Y-40 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-42 | SB-HOV-Y-41 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-43 | SB-HOV-Y-42 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-44 | SB-HOV-Y-43 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-45 | SB-HOV-Y-44 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-46 | SB-HOV-Y-45 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-47 | SB-HOV-Y-46 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-48 | SB-HOV-Y-47 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 4 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1970-49 | SB-HOV-Y-48 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-50 | NB-HOV-Y-49 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-51 | NB-HOV-Y-50 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-52 | NB-HOV-Y-51 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-53 | NB-HOV-Y-52 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-54 | NB-HOV-Y-53 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-55 | NB-HOV-Y-54 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-56 | SB-CC-OR-W-55 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-57 | SB-CC-OR-Y-56 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-58 | SB-5-PCH-OFF-Y-57 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-59 | SB-5-PCH-OFF-W-58 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-60 | SB5-CLR-OFF-Y-59 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-61 | SB5-CLR-OFF-W-60 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-62 | SB-PCH-5-SB-W-61 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-63 | SB-PCH-5-SB-Y-62 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-64 | SB-PCH-5-SB-W-63 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 5 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1970-65 | SB-PCH-5-SB-Y-64 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-66 | NB-5-PCH/CLR-W-65 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-67 | NB-5-CLR-OFF-Y-66 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-68 | CLR/PCH-UC-W-67 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-69 | CLR-SB5-W-68 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-70 | CLR-SB5-Y-69 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-71 | CLR-5NB-W-70 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1970-72 | CLR-5NB-Y-71 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |

Note: TTLC results are reflected herein. Sample B2A1970-01 was submitted for weight, which is 19.5 grams.



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 6 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-02 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-1 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:08 | KRV | |
| Lead | 190 | 10 | mg/kg | EPA 6020 | 02/02/12 13:08 | KRV | |
| B2A1970-03 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-2 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:10 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:10 | KRV | |
| B2A1970-04 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-3 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:20 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:20 | KRV | |
| B2A1970-05 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-4 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:22 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:22 | KRV | |
| B2A1970-06 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-5 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:24 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:24 | KRV | |
| B2A1970-07 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-6 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:26 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:26 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 7 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-08 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-7 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:28 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:28 | KRV | |
| B2A1970-09 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-8 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:30 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:30 | KRV | |
| B2A1970-10 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-9 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:32 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:32 | KRV | |
| B2A1970-11 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-10 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:34 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:34 | KRV | |
| B2A1970-12 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-11 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:36 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:36 | KRV | |
| B2A1970-13 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-12 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:38 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:38 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 8 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-14 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-13 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:47 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:47 | KRV | |
| B2A1970-15 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-14 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:49 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:49 | KRV | |
| B2A1970-16 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-15 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:51 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:51 | KRV | |
| B2A1970-17 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-16 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:53 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:53 | KRV | |
| B2A1970-18 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-17 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:55 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:55 | KRV | |
| B2A1970-19 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-18 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:57 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:57 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 9 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-20 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-19 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 13:59 | KRV | |
| Lead | 19 | 10 | mg/kg | EPA 6020 | 02/02/12 13:59 | KRV | |
| B2A1970-21 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-20 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:01 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:01 | KRV | |
| B2A1970-22 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-21 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:23 | KRV | |
| Lead | 15 | 10 | mg/kg | EPA 6020 | 02/02/12 14:23 | KRV | |
| B2A1970-23 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-SD-W-22 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:25 | KRV | |
| Lead | 12 | 10 | mg/kg | EPA 6020 | 02/02/12 14:25 | KRV | |
| B2A1970-24 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-23 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:27 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:27 | KRV | |
| B2A1970-25 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-24 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:29 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:29 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 10 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-26 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-25 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:31 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:31 | KRV | |
| B2A1970-27 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-26 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:33 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:33 | KRV | |
| B2A1970-28 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-27 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:42 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:42 | KRV | |
| B2A1970-29 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-28 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:44 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:44 | KRV | |
| B2A1970-30 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-29 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:46 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:46 | KRV | |
| B2A1970-31 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-30 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:49 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:49 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 11 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-32 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-31 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:51 | KRV | |
| Lead | 12 | 10 | mg/kg | EPA 6020 | 02/02/12 14:51 | KRV | |
| B2A1970-33 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-32 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:53 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:53 | KRV | |
| B2A1970-34 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-33 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:55 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:55 | KRV | |
| B2A1970-35 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-34 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:57 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:57 | KRV | |
| B2A1970-36 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-35 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 14:59 | KRV | |
| Lead | 13 | 10 | mg/kg | EPA 6020 | 02/02/12 14:59 | KRV | |
| B2A1970-37 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-36 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:01 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:01 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 12 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-38 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-37 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:10 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:10 | KRV | |
| B2A1970-39 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-38 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:12 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:12 | KRV | |
| B2A1970-40 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-39 | | | | | | | |
| Total Chromium | 640 | 10 | mg/kg | EPA 6020 | 02/02/12 15:14 | KRV | |
| Lead | 2000 | 10 | mg/kg | EPA 6020 | 02/02/12 15:14 | KRV | |
| B2A1970-41 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-40 | | | | | | | |
| Total Chromium | 680 | 10 | mg/kg | EPA 6020 | 02/02/12 15:16 | KRV | |
| Lead | 2200 | 10 | mg/kg | EPA 6020 | 02/02/12 15:16 | KRV | |
| B2A1970-42 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-41 | | | | | | | |
| Total Chromium | 700 | 10 | mg/kg | EPA 6020 | 02/02/12 15:38 | KRV | |
| Lead | 2300 | 10 | mg/kg | EPA 6020 | 02/02/12 15:38 | KRV | |
| B2A1970-43 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-42 | | | | | | | |
| Total Chromium | 890 | 10 | mg/kg | EPA 6020 | 02/02/12 15:40 | KRV | |
| Lead | 3000 | 10 | mg/kg | EPA 6020 | 02/02/12 15:40 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 13 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-44 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-43 | | | | | | | |
| Total Chromium | 660 | 10 | mg/kg | EPA 6020 | 02/02/12 15:42 | KRV | |
| Lead | 2100 | 10 | mg/kg | EPA 6020 | 02/02/12 15:42 | KRV | |
| B2A1970-45 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-44 | | | | | | | |
| Total Chromium | 330 | 10 | mg/kg | EPA 6020 | 02/02/12 15:44 | KRV | |
| Lead | 980 | 10 | mg/kg | EPA 6020 | 02/02/12 15:44 | KRV | |
| B2A1970-46 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-45 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:46 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:46 | KRV | |
| B2A1970-47 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-46 | | | | | | | |
| Total Chromium | 240 | 10 | mg/kg | EPA 6020 | 02/02/12 15:48 | KRV | |
| Lead | 840 | 10 | mg/kg | EPA 6020 | 02/02/12 15:48 | KRV | |
| B2A1970-48 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-47 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:50 | KRV | |
| Lead | 18 | 10 | mg/kg | EPA 6020 | 02/02/12 15:50 | KRV | |
| B2A1970-49 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-48 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:52 | KRV | |
| Lead | 23 | 10 | mg/kg | EPA 6020 | 02/02/12 15:52 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 14 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|-----|-------|----------|----------------|---------|------|
| B2A1970-50 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-49 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:54 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:54 | KRV | |
| B2A1970-51 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-50 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:56 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/02/12 15:56 | KRV | |
| B2A1970-52 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-51 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:08 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:08 | KRV | |
| B2A1970-53 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-52 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:10 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:10 | KRV | |
| B2A1970-54 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-53 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:12 | KRV | |
| Lead | 29 | 10 | mg/kg | EPA 6020 | 02/03/12 11:12 | KRV | |
| B2A1970-55 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-54 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:14 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:14 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 15 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|----------|----------------|---------|------|
| B2A1970-56 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-W-55 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:16 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:16 | KRV | |
| B2A1970-57 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-Y-56 | | | | | | | |
| Total Chromium | 6300 | 2000 | mg/kg | EPA 6020 | 02/03/12 11:19 | KRV | |
| Lead | 25000 | 2000 | mg/kg | EPA 6020 | 02/03/12 11:19 | KRV | |
| B2A1970-58 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-Y-57 | | | | | | | |
| Total Chromium | 7200 | 2000 | mg/kg | EPA 6020 | 02/03/12 11:21 | KRV | |
| Lead | 29000 | 2000 | mg/kg | EPA 6020 | 02/03/12 11:21 | KRV | |
| B2A1970-59 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-W-58 | | | | | | | |
| Total Chromium | 11 | 10 | mg/kg | EPA 6020 | 02/03/12 11:30 | KRV | |
| Lead | 44 | 10 | mg/kg | EPA 6020 | 02/03/12 11:30 | KRV | |
| B2A1970-60 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-Y-59 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:32 | KRV | |
| Lead | 26 | 10 | mg/kg | EPA 6020 | 02/03/12 11:32 | KRV | |
| B2A1970-61 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-W-60 | | | | | | | |
| Total Chromium | 11 | 10 | mg/kg | EPA 6020 | 02/03/12 11:34 | KRV | |
| Lead | 15 | 10 | mg/kg | EPA 6020 | 02/03/12 11:34 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 16 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|----------|----------------|---------|------|
| B2A1970-62 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-61 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:48 | KRV | |
| Lead | 14 | 10 | mg/kg | EPA 6020 | 02/03/12 11:48 | KRV | |
| B2A1970-63 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-62 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:58 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 11:58 | KRV | |
| B2A1970-64 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-63 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:00 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:00 | KRV | |
| B2A1970-65 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-64 | | | | | | | |
| Total Chromium | 3300 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:02 | KRV | |
| Lead | 13000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:02 | KRV | |
| B2A1970-66 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-PCH/CLR-W-65 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:04 | KRV | |
| Lead | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:04 | KRV | |
| B2A1970-67 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-CLR-OFF-Y-66 | | | | | | | |
| Total Chromium | 8000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:06 | KRV | |
| Lead | 32000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:06 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 17 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|----------|----------------|---------|------|
| B2A1970-68 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR/PCH-UC-W-67 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:08 | KRV | |
| Lead | 29 | 10 | mg/kg | EPA 6020 | 02/03/12 12:08 | KRV | |
| B2A1970-69 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-W-68 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:10 | KRV | |
| Lead | 11 | 10 | mg/kg | EPA 6020 | 02/03/12 12:10 | KRV | |
| B2A1970-70 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-Y-69 | | | | | | | |
| Total Chromium | 10000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:12 | KRV | |
| Lead | 41000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:12 | KRV | |
| B2A1970-71 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-W-70 | | | | | | | |
| Total Chromium | ND | 10 | mg/kg | EPA 6020 | 02/03/12 12:14 | KRV | |
| Lead | 27 | 10 | mg/kg | EPA 6020 | 02/03/12 12:14 | KRV | |
| B2A1970-72 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-Y-71 | | | | | | | |
| Total Chromium | 5000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:36 | KRV | |
| Lead | 20000 | 2000 | mg/kg | EPA 6020 | 02/03/12 12:36 | KRV | |



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 18 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Metals and Metalloids; EPA SW846 Series - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|--------|-----|-------|---------------------------------------|---------------|---------------------------------------|-------------|-------|-----------|-------|
| Batch 12A3051 - EPA 200.2 SOP M02C | | | | | | | | | | |
| Blank (12A3051-BLK1) | | | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | | | |
| Total Chromium | ND | 10 | mg/kg | | | | | | | |
| Lead | ND | 10 | mg/kg | | | | | | | |
| LCS (12A3051-BS1) | | | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | | | |
| Total Chromium | 107 | 10 | mg/kg | 100 | | 107 | 74-127 | | | |
| Lead | 101 | 10 | mg/kg | 100 | | 101 | 76-124 | | | |
| Matrix Spike (12A3051-MS1) | | | | Source: B2A1970-03 | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | |
| Total Chromium | 212 | 20 | mg/kg | 200 | ND | 106 | 60-139 | | | |
| Lead | 200 | 20 | mg/kg | 200 | 1.39 | 99.2 | 66-130 | | | |
| Matrix Spike Dup (12A3051-MSD1) | | | | Source: B2A1970-03 | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | |
| Total Chromium | 208 | 20 | mg/kg | 200 | ND | 104 | 60-139 | 2.00 | 20 | |
| Lead | 199 | 20 | mg/kg | 200 | 1.39 | 98.8 | 66-130 | 0.319 | 20 | |
| Batch 12A3143 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3143-BLK1) | | | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | | | |
| Total Chromium | ND | 10 | mg/kg | | | | | | | |
| Lead | ND | 10 | mg/kg | | | | | | | |
| LCS (12A3143-BS1) | | | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | | | |
| Total Chromium | 107 | 10 | mg/kg | 100 | | 107 | 74-127 | | | |
| Lead | 105 | 10 | mg/kg | 100 | | 105 | 76-124 | | | |
| Matrix Spike (12A3143-MS1) | | | | Source: B2A1970-40 | | Prepared: 02/01/12 Analyzed: 02/02/12 | | | | |
| Total Chromium | 965 | 20 | mg/kg | 200 | 641 | 162 | 60-139 | | | QM-3x |
| Lead | 2720 | 20 | mg/kg | 200 | 2050 | 337 | 66-130 | | | QM-3x |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 19 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Metals and Metalloids; EPA SW846 Series - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|--|--------|---------------------------|-------|-------------|--------------------|------|--------------------|--------|-----------|-------|
| Batch 12A3143 - EPA 200.2 WET E02 | | | | | | | | | | |
| Matrix Spike Dup (12A3143-MSD1) | | Source: B2A1970-40 | | | Prepared: 02/01/12 | | Analyzed: 02/02/12 | | | |
| Total Chromium | 966 | 20 | mg/kg | 200 | 641 | 163 | 60-139 | 0.110 | 20 | QM-3x |
| Lead | 2720 | 20 | mg/kg | 200 | 2050 | 335 | 66-130 | 0.133 | 20 | QM-3x |
| Batch 12A3163 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3163-BLK1) | | | | | Prepared: 02/01/12 | | Analyzed: 02/02/12 | | | |
| Total Chromium | ND | 10 | mg/kg | | | | | | | |
| Lead | ND | 10 | mg/kg | | | | | | | |
| LCS (12A3163-BS1) | | | | | Prepared: 02/01/12 | | Analyzed: 02/02/12 | | | |
| Total Chromium | 104 | 10 | mg/kg | 100 | | 104 | 74-127 | | | |
| Lead | 101 | 10 | mg/kg | 100 | | 101 | 76-124 | | | |
| Matrix Spike (12A3163-MS1) | | Source: B2A1970-43 | | | Prepared: 02/01/12 | | Analyzed: 02/02/12 | | | |
| Total Chromium | 1190 | 20 | mg/kg | 200 | 893 | 148 | 60-139 | | | QM-3x |
| Lead | 3820 | 20 | mg/kg | 200 | 3000 | 411 | 66-130 | | | QM-3x |
| Matrix Spike Dup (12A3163-MSD1) | | Source: B2A1970-43 | | | Prepared: 02/01/12 | | Analyzed: 02/02/12 | | | |
| Total Chromium | 1170 | 20 | mg/kg | 200 | 893 | 140 | 60-139 | 1.24 | 20 | QM-3x |
| Lead | 3820 | 20 | mg/kg | 200 | 3000 | 410 | 66-130 | 0.0179 | 20 | QM-3x |
| Batch 12A3164 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3164-BLK1) | | | | | Prepared: 02/01/12 | | Analyzed: 02/03/12 | | | |
| Total Chromium | ND | 10 | mg/kg | | | | | | | |
| Lead | ND | 10 | mg/kg | | | | | | | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 20 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Metals and Metalloids; EPA SW846 Series - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|--|--------|----------|-------|---|---------------|------|-------------|-------|-----------|------|
| Batch 12A3164 - EPA 200.2 WET E02 | | | | | | | | | | |
| LCS (12A3164-BS1) | | | | Prepared: 02/01/12 Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 105 | 10 mg/kg | | 100 | | 105 | 74-127 | | | |
| Lead | 102 | 10 mg/kg | | 100 | | 102 | 76-124 | | | |
| Matrix Spike (12A3164-MS1) | | | | Source: B2A1970-71 Prepared: 02/01/12 Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 202 | 20 mg/kg | | 200 | 6.28 | 97.8 | 60-139 | | | |
| Lead | 207 | 20 mg/kg | | 200 | 26.9 | 90.2 | 66-130 | | | |
| Matrix Spike Dup (12A3164-MSD1) | | | | Source: B2A1970-71 Prepared: 02/01/12 Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 204 | 20 mg/kg | | 200 | 6.28 | 98.6 | 60-139 | 0.856 | 20 | |
| Lead | 210 | 20 mg/kg | | 200 | 26.9 | 91.7 | 66-130 | 1.41 | 20 | |

Notes and Definitions

- QM-3x Due to analyte concentration greater than or equal to 3 times the spike concentration, recoveries for the metal MS and/or MSD did not meet laboratory acceptance criteria.
- ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 21 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Robin Glenney, Project Manager

cc:

e-Tab_Summary.rpt



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 2 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: **B2A1970**

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

SB = Southbound
NB = Northbound
S = Shoulder
LM = Lane Marker
SD = Shoulder Diagonal

W = White
Y = Yellow

HOV = Median



Pg 1 of 5

Client Job Name: OCTA I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job # 181348/20000/2900
Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|----------------------|--|---------|-----------------|-------------|
| SB-S-W-1 | South Bound ^{Stripe} Shoulder | Asphalt | I | |
| SB-LM-W-2 | See GPS Lane marker | | Fair | |
| SB-S-W-3 | | | POOR | |
| SB-LM-W-4 | | | Fair | |
| -S-W-5 | South Bound Stripe Shoulder | | | |
| - LM -W-6 | South Bound Lane Marker (white) | | | |
| -S-W-7 | - Shoulder | | | |
| -LM ^w -8 | - Lane Marker | | | |
| -S-W-9 | - Shoulder | | | |
| -LM-W-10 | - Lane Marker | | | |
| -S-W-11 | - Shoulder | | | |
| -LM-W-12 | - Lane Marker | | | |
| -S-W-13 | - Shoulder | | | |
| -LM-W-14 | - Lane Marker | | | |
| -S-W-15 | - Shoulder | | | |
| ↓ -LM-W-16 | ↓ - Lane Marker | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1970 AB

JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 3 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 2/5

Client: OCTA
Job Name: I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job #: 181348/20000/2900
Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|-----------|--------------------------------------|-------------------|-----------------|--------------|
| SB-S-W-17 | See Gps | | | |
| -LM-W-18 | Coordinates | | | |
| -S-W-19 | | | | 5 1/2" width |
| -LM-W-20 | | | | 4" width |
| -S-W-21 | | | | |
| -SD-W-22 | | Shoulder Diagonal | | 6" width |
| -S-W-23 | | | | |
| -LM-W-24 | | | | |
| NB-S-W-25 | Northbound - Stripe Shoulder (white) | | | |
| -LM-W-26 | | | | |
| -S-W-27 | | | | |
| -LM-W-28 | | | | |
| -S-W-29 | | | | |
| -LM-W-30 | | | | |
| -S-W-31 | | | | |
| -LM-W-32 | | | | |

Notes: S - Shoulder Stripe
LM - Lane Marker

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

JAN 20 2012
B2A1970 AP



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 4 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



P3/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|---------------|---|---------|-----------------|-------------|
| NB - S-W-33 | Gal Gps | Low | | |
| - LM-W-34 | locations | | | |
| - S-W-35 | | | | |
| LM-W-36 | | | | |
| S-W-37 | | | | |
| LM-W-38 | | | | |
| SB - HOV-Y-39 | +RF 2.1, 2.4 | | | 3.5" width |
| SB - HOV-Y-40 | YRF-1.8 | | | " " |
| " - HOV-Y-41 | (very little paint remaining only inside grooves) | yellow | | |
| " - HOV-Y-42 | (XRF-3.2) | | | |
| " - HOV-Y-43 | | | | |
| " - HOV-Y-44 | (XRF 4.8) | | | |
| " - HOV-Y-45 | | | | |
| " - HOV-Y-46 | | | | |
| " - HOV-Y-47 | (XRF-0.2, 0.400) | | | |
| " - HOV-Y-48 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

HOV - High occupancy
and/or median

JAN 20 2012

B2A1970AB



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 5 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 4/5

Client: OCTA
Job Name: I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job #: 181348/20000/2900
Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|---------------------------|---------------------|---------|-----------------|-------------|
| NB- HOV- Y-49 | (FRF 0.0, 0.2, 0.5) | | | |
| HOV- Y-50 | | | | |
| HOV- Y-51 | | | | |
| HOV- Y-52 | REF 0.0, 0.2, 0.4 | | | |
| HOV- Y-53 | | | | |
| HOV- Y-54 | | | | |
| SB- CC-OR-W-55 | | | | |
| SB- CC-OR-W-55 | | | | |
| SB- CL-OR-Y-56 | | | | |
| SB- PCH-OFF-Y-57 | | | | |
| SB- PCH-OFF-W-58 | | | | |
| SB- CLR-OFF-Y-59 | | | | |
| SB- CLR-OFF-W-60 | | | | |
| SB- PCH-5 SB-W-61 | | | | |
| SB- PCH-5 SB-Y-62 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1970 AB

JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 6 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1970

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 5/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|------------------------------|-----------------|---------|-----------------|-------------|
| SB-PCH-5SB-W-63 | | | | |
| SB-PCH-5SB-Y-64 | | | | |
| NB-5-PCH/CLR-W-65 | | | | |
| NB-5-CLR/CLR-Y-66 | | | | |
| NB-5-CLR OFF-Y-66 | | | | |
| CLR/PCH-UC-W-67 | | | | |
| CLR-SB5--W-68 | | | | |
| CLR-SB5-Y-69 | | | | |
| CLR-5NB-W-70 | | | | |
| CLR-5NB-Y-71 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1970AB



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 1 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1978-01 | SB-S-W-1 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-02 | SB-LM-W-2 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-03 | SB-S-W-3 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-04 | SB-LM-W-4 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-05 | SB-S-W-5 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-06 | SB-LM-W-6 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-07 | SB-S-W-7 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-08 | SB-LM-W-8 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-09 | SB-S-W-9 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-10 | SB-LM-W-10 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-11 | SB-S-W-11 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-12 | SB-LM-W-12 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-13 | SB-S-W-13 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-14 | SB-LM-W-14 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-15 | SB-S-W-15 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-16 | SB-LM-W-16 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 2 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1978-17 | SB-S-W-17 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-18 | SB-LM-W-18 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-19 | SB-S-W-19 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-20 | SB-LM-W-20 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-21 | SB-S-W-21 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-22 | SB-SD-W-22 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-23 | SB-S-W-23 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-24 | SB-LM-W-24 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-25 | NB-S-W-25 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-26 | NB-LM-W-26 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-27 | NB-S-W-27 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-28 | NB-LM-W-28 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-29 | NB-S-W-29 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-30 | NB-LM-W-30 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-31 | NB-S-W-31 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-32 | NB-LM-W-32 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 3 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1978-33 | NB-S-W-33 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-34 | NB-LM-W-34 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-35 | NB-S-W-35 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-36 | NB-LM-W-36 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-37 | NB-S-W-37 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-38 | NB-LM-W-38 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-39 | SB-HOV-Y-39 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-40 | SB-HOV-Y-40 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-41 | SB-HOV-Y-41 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-42 | SB-HOV-Y-42 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-43 | SB-HOV-Y-43 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-44 | SB-HOV-Y-44 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-45 | SB-HOV-Y-45 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-46 | SB-HOV-Y-46 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-47 | SB-HOV-Y-47 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-48 | SB-HOV-Y-48 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 4 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1978-49 | NB-HOV-Y-49 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-50 | NB-HOV-Y-50 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-51 | NB-HOV-Y-51 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-52 | NB-HOV-Y-52 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-53 | NB-HOV-Y-53 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-54 | NB-HOV-Y-54 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-55 | SB-CC-OR-W-55 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-56 | SB-CC-OR-Y-56 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-57 | SB-5-PCH-OFF-Y-57 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-58 | SB-5-PCH-OFF-W-58 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-59 | SB5-CLR-OFF-Y-59 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-60 | SB5-CLR-OFF-W-60 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-61 | SB-PCH-5-SB-W-61 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-62 | SB-PCH-5-SB-Y-62 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-63 | SB-PCH-5-SB-W-63 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-64 | SB-PCH-5-SB-Y-64 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 5 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1978-65 | NB-5-PCH/CLR-W-65 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-66 | NB-5-CLR-OFF-Y-66 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-67 | CLR/PCH-UC-W-67 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-68 | CLR-SB5-W-68 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-69 | CLR-SB5-Y-69 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-70 | CLR-5NB-W-70 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1978-71 | CLR-5NB-Y-71 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |

Note: STLC results are reflected herein.



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 6 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-01 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-1 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:31 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:31 | KRV | |
| B2A1978-02 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-2 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:33 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:33 | KRV | |
| B2A1978-03 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-3 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:35 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:35 | KRV | |
| B2A1978-04 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-4 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:37 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:37 | KRV | |
| B2A1978-05 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-5 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:47 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:47 | KRV | |
| B2A1978-06 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-6 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:49 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:49 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 7 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-07 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-7 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:51 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:51 | KRV | |
| B2A1978-08 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-8 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:53 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:53 | KRV | |
| B2A1978-09 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-9 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:55 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:55 | KRV | |
| B2A1978-10 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-10 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:57 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:57 | KRV | |
| B2A1978-11 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-11 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:59 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 13:59 | KRV | |
| B2A1978-12 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-12 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:01 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:01 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 8 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-13 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-13 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:03 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:03 | KRV | |
| B2A1978-14 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-14 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:05 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:05 | KRV | |
| B2A1978-15 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-15 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:14 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:14 | KRV | |
| B2A1978-16 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-16 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:16 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:16 | KRV | |
| B2A1978-17 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-17 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:18 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:18 | KRV | |
| B2A1978-18 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-18 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:20 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:20 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 9 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-19 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-19 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:22 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:22 | KRV | |
| B2A1978-20 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-20 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:24 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:24 | KRV | |
| B2A1978-21 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-21 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:42 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:42 | KRV | |
| B2A1978-22 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-SD-W-22 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:44 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:44 | KRV | |
| B2A1978-23 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-23 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:46 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:46 | KRV | |
| B2A1978-24 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-24 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:48 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:48 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 10 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-25 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-25 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:50 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:50 | KRV | |
| B2A1978-26 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-26 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:52 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:52 | KRV | |
| B2A1978-27 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-27 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:54 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:54 | KRV | |
| B2A1978-28 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-28 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:56 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:56 | KRV | |
| B2A1978-29 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-29 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:58 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 14:58 | KRV | |
| B2A1978-30 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-30 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:00 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:00 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 11 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-31 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-31 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:09 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:09 | KRV | |
| B2A1978-32 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-32 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:11 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:11 | KRV | |
| B2A1978-33 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-33 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:13 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:13 | KRV | |
| B2A1978-34 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-34 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:15 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:15 | KRV | |
| B2A1978-35 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-35 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:17 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:17 | KRV | |
| B2A1978-36 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-36 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:19 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:19 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 12 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-37 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-37 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:21 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:21 | KRV | |
| B2A1978-38 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-38 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:23 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:23 | KRV | |
| B2A1978-39 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-39 | | | | | | | |
| Total Chromium | 4.5 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:25 | KRV | |
| Lead | 1.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:25 | KRV | |
| B2A1978-40 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-40 | | | | | | | |
| Total Chromium | 5.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:27 | KRV | |
| Lead | 1.0 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:27 | KRV | |
| B2A1978-41 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-41 | | | | | | | |
| Total Chromium | 3.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:23 | KRV | |
| Lead | 0.93 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:23 | KRV | |
| B2A1978-42 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-42 | | | | | | | |
| Total Chromium | 3.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:33 | KRV | |
| Lead | 0.78 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:33 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 13 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-43 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-43 | | | | | | | |
| Total Chromium | 4.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:35 | KRV | |
| Lead | 1.4 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:35 | KRV | |
| B2A1978-44 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-44 | | | | | | | |
| Total Chromium | 2.6 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:38 | KRV | |
| Lead | 0.69 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:38 | KRV | |
| B2A1978-45 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-45 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:40 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:40 | KRV | |
| B2A1978-46 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-46 | | | | | | | |
| Total Chromium | 3.1 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:42 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:42 | KRV | |
| B2A1978-47 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-47 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:44 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:44 | KRV | |
| B2A1978-48 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-48 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:46 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:46 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 14 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-49 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-49 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:48 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:48 | KRV | |
| B2A1978-50 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-50 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:50 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:50 | KRV | |
| B2A1978-51 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-51 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:52 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:52 | KRV | |
| B2A1978-52 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-52 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:02 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:02 | KRV | |
| B2A1978-53 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-53 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:04 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:04 | KRV | |
| B2A1978-54 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-54 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:06 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:06 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 15 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-55 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-W-55 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:08 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:08 | KRV | |
| B2A1978-56 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-Y-56 | | | | | | | |
| Total Chromium | 10 | 0.50 | mg/L | EPA 6020A | 02/03/12 17:10 | KRV | |
| Lead | 8.9 | 0.50 | mg/L | EPA 6020A | 02/03/12 17:10 | KRV | |
| B2A1978-57 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-Y-57 | | | | | | | |
| Total Chromium | 9.0 | 0.50 | mg/L | EPA 6020A | 02/03/12 17:12 | KRV | |
| Lead | 6.6 | 0.50 | mg/L | EPA 6020A | 02/03/12 17:12 | KRV | |
| B2A1978-58 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-W-58 | | | | | | | |
| Total Chromium | 0.53 | 0.50 | mg/L | EPA 6020A | 02/03/12 17:14 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:14 | KRV | |
| B2A1978-59 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-Y-59 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:16 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:16 | KRV | |
| B2A1978-60 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-W-60 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:18 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:18 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 16 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-61 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-61 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:45 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:45 | KRV | |
| B2A1978-62 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-62 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:47 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:47 | KRV | |
| B2A1978-63 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-63 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:49 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:49 | KRV | |
| B2A1978-64 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-64 | | | | | | | |
| Total Chromium | 11 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:51 | KRV | |
| Lead | 5.6 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:51 | KRV | |
| B2A1978-65 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-PCH/CLR-W-65 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:53 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 15:53 | KRV | |
| B2A1978-66 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-CLR-OFF-Y-66 | | | | | | | |
| Total Chromium | 11 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:55 | KRV | |
| Lead | 6.1 | 0.50 | mg/L | EPA 6020A | 02/03/12 15:55 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 17 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1978-67 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR/PCH-UC-W-67 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:04 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:04 | KRV | |
| B2A1978-68 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-W-68 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:07 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:07 | KRV | |
| B2A1978-69 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-Y-69 | | | | | | | |
| Total Chromium | 12 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:09 | KRV | |
| Lead | 7.6 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:09 | KRV | |
| B2A1978-70 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-W-70 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:11 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 16:11 | KRV | |
| B2A1978-71 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-Y-71 | | | | | | | |
| Total Chromium | 12 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:13 | KRV | |
| Lead | 6.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 16:13 | KRV | |



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 18 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

California Waste Extraction Test (Title 22 sec. 66261 Apx II); Inorganics - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|--|--------|------|-------|-------------------------------|---------------|-------------------------------|-------------|------|-----------|------|
| Batch 12A3053 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3053-BLK1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12A3053-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 3.75 | 0.50 | mg/L | 4.00 | | 93.8 | 81.8-154 | | | |
| Lead | 3.40 | 0.50 | mg/L | 4.00 | | 85.1 | 77-117 | | | |
| Matrix Spike (12A3053-MS1) | | | | Source: B2A1978-05 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 4.00 | 0.50 | mg/L | 4.00 | 0.118 | 97.1 | 68.9-154 | | | |
| Lead | 3.68 | 0.50 | mg/L | 4.00 | 0.00484 | 91.9 | 72.9-123 | | | |
| Matrix Spike Dup (12A3053-MSD1) | | | | Source: B2A1978-05 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 4.15 | 0.50 | mg/L | 4.00 | 0.118 | 101 | 68.9-154 | 3.65 | 20 | |
| Lead | 3.82 | 0.50 | mg/L | 4.00 | 0.00484 | 95.3 | 72.9-123 | 3.63 | 20 | |
| Batch 12A3167 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3167-BLK1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12A3167-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 4.50 | 0.50 | mg/L | 4.00 | | 113 | 81.8-154 | | | |
| Lead | 4.02 | 0.50 | mg/L | 4.00 | | 100 | 77-117 | | | |
| Matrix Spike (12A3167-MS1) | | | | Source: B2A1978-26 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 4.17 | 0.50 | mg/L | 4.00 | 0.166 | 100 | 68.9-154 | | | |
| Lead | 3.85 | 0.50 | mg/L | 4.00 | ND | 96.3 | 72.9-123 | | | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 19 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

California Waste Extraction Test (Title 22 sec. 66261 Apx II); Inorganics - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Flag |
|--|--------|------|-------------------------------|-------------|-------------------------------|-----------|----------|-------|-----------|------|
| Batch 12A3167 - EPA 200.2 WET E02 | | | | | | | | | | |
| Matrix Spike Dup (12A3167-MSD1) | | | Source: B2A1978-26 | | Prepared & Analyzed: 02/03/12 | | | | | |
| Total Chromium | 4.23 | 0.50 | mg/L | 4.00 | 0.166 | 102 | 68.9-154 | 1.46 | 20 | |
| Lead | 3.82 | 0.50 | mg/L | 4.00 | ND | 95.5 | 72.9-123 | 0.828 | 20 | |
| Batch 12A3168 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3168-BLK1) | | | Prepared & Analyzed: 02/03/12 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12A3168-BS1) | | | Prepared & Analyzed: 02/03/12 | | | | | | | |
| Total Chromium | 4.45 | 0.50 | mg/L | 4.00 | | 111 | 81.8-154 | | | |
| Lead | 4.10 | 0.50 | mg/L | 4.00 | | 102 | 77-117 | | | |
| Matrix Spike (12A3168-MS1) | | | Source: B2A1978-42 | | Prepared & Analyzed: 02/03/12 | | | | | |
| Total Chromium | 7.18 | 0.50 | mg/L | 4.00 | 3.20 | 99.4 | 68.9-154 | | | |
| Lead | 4.41 | 0.50 | mg/L | 4.00 | 0.778 | 90.9 | 72.9-123 | | | |
| Matrix Spike Dup (12A3168-MSD1) | | | Source: B2A1978-42 | | Prepared & Analyzed: 02/03/12 | | | | | |
| Total Chromium | 7.44 | 0.50 | mg/L | 4.00 | 3.20 | 106 | 68.9-154 | 3.60 | 20 | |
| Lead | 4.62 | 0.50 | mg/L | 4.00 | 0.778 | 96.1 | 72.9-123 | 4.68 | 20 | |
| Batch 12A3169 - EPA 200.2 WET E02 | | | | | | | | | | |
| Blank (12A3169-BLK1) | | | Prepared & Analyzed: 02/03/12 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 20 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

California Waste Extraction Test (Title 22 sec. 66261 Apx II); Inorganics - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|--|--------|------|-------|-------------------------------|---------------|-------------------------------|-------------|------|-----------|------|
| Batch 12A3169 - EPA 200.2 WET E02 | | | | | | | | | | |
| LCS (12A3169-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 4.01 | 0.50 | mg/L | 4.00 | | 100 | 81.8-154 | | | |
| Lead | 3.54 | 0.50 | mg/L | 4.00 | | 88.6 | 77-117 | | | |
| Matrix Spike (12A3169-MS1) | | | | Source: B2A1978-62 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 4.02 | 0.50 | mg/L | 4.00 | 0.210 | 95.1 | 68.9-154 | | | |
| Lead | 3.55 | 0.50 | mg/L | 4.00 | ND | 88.7 | 72.9-123 | | | |
| Matrix Spike Dup (12A3169-MSD1) | | | | Source: B2A1978-62 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 3.90 | 0.50 | mg/L | 4.00 | 0.210 | 92.3 | 68.9-154 | 2.90 | 20 | |
| Lead | 3.48 | 0.50 | mg/L | 4.00 | ND | 87.0 | 72.9-123 | 1.92 | 20 | |

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / "": NELAP does not offer accreditation for this analyte/method/matrix combination



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 21 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Robin Glenney, Project Manager

cc:

e-Tab_Summary.rpt



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 2 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: **B2A1978**

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

SB = Southbound
NB = Northbound
S = Shoulder
LM = Lane Marker
SD = Shoulder Diagonal

W = White
Y = Yellow

HOV = Median



Pg 1 of 5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|-----------|--|---------|-----------------|-------------|
| SB-S-W-1 | South Bound ^{Stripe} Shoulder | Asphalt | I | |
| SB-LM-W-2 | See GPS | | Fair | |
| SB-S-W-3 | | | POOR | |
| SB-LM-W-4 | | | Fair | |
| -S-W-5 | South Bound ^{Stripe} Shoulder | | | |
| -LM-W-6 | South Bound Lane Marker (White) | | | |
| -S-W-7 | - Shoulder | | | |
| -LM-W-8 | - Lane Marker | | | |
| -S-W-9 | - Shoulder | | | |
| -LM-W-10 | - Lane Marker | | | |
| -S-W-11 | - Shoulder | | | |
| -LM-W-12 | - Lane Marker | | | |
| -S-W-13 | - Shoulder | | | |
| -LM-W-14 | - Lane Marker | | | |
| -S-W-15 | - Shoulder | | | |
| -LM-W-16 | - Lane Marker | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1978 AB

JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 3 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 2/5

Client: OCTA
Job Name: I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job #: 181348/20000/2900
Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|-------------|---------------------|---------|-----------------|--------------|
| SB-S-W-17 | See Gps | | | |
| -LM-W-18 | Crossdrive | | | |
| -S-W-19 | | | | 5 1/2" width |
| -LM-W-20 | | | | 4" width |
| -S-W-21 | | | | |
| -SD-W-22 | Shoulder | | | 6" width |
| -S-W-23 | Dimpled | | | |
| -LM-W-24 | | | | |
| ↓ B -S-W-25 | Northbound - Stripe | | | |
| -LM-W-26 | Shoulder (white) | | | |
| -S-W-27 | | | | |
| -LM-W-28 | | | | |
| -S-W-29 | | | | |
| -LM-W-30 | | | | |
| -S-W-31 | | | | |
| ↓ -LM-W-32 | | | | |

Notes: S - Shoulder Stripe
LM - Lane Marker

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1978 AB
JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 4 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



P73/5

Client: OCTA
Job Name: I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job # 181348/20000/2900

Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|---------------|---|---------|-----------------|-------------|
| NB - S-W-33 | Grd Gps | Low | | |
| - LM-W-34 | locations | | | |
| - S-W-35 | | | | |
| LM-W-36 | | | | |
| S-W-37 | | | | |
| LM-W-38 | | | | |
| SB - HOV-Y-39 | +RF - 2.1, 2.4 | | | 3.5" width |
| SB - HOV-Y-40 | XRF - 1.8 | | | " " |
| " - HOV-Y-41 | (very little yellow paint remaining only inside grooves.) | | | |
| " - HOV-Y-42 | (XRF - 3.2) | | | |
| " - HOV-Y-43 | | | | |
| " - HOV-Y-44 | (XRF 4.8) | | | |
| " - HOV-Y-45 | | | | |
| " - HOV-Y-46 | | | | |
| " - HOV-Y-47 | (XRF - 0.2, 0.400) | | | |
| " - HOV-Y-48 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

HOV - High occupancy
and/or median
B2A1978 AP
JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 5 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 4/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job # **181348/20000/2900**

Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|---------------------------|-------------------|---------|-----------------|-------------|
| JB- HOV- Y-49 | (FRP 0.0, 0.2, 5) | | | |
| HOV- Y-50 | | | | |
| HOV- Y-51 | | | | |
| HOV- Y-52 | FRP 0.0, 0.2, 0.4 | | | |
| HOV- Y-53 | | | | |
| HOV- Y-54 | | | | |
| SB- CC-OR-W-55 | | | | |
| SB- CC-OR-W-55 | | | | |
| SB- CL-OR-Y-56 | | | | |
| SB- PCH-OFF-Y-57 | | | | |
| SB- PCH-OFF-W-58 | | | | |
| SB- CLR-OFF-Y-59 | | | | |
| SB- CLR-OFF-W-60 | | | | |
| SB- PCH-5 SB-W-61 | | | | |
| SB- PCH-5 SB-Y-62 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1978AB

JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 6 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1978

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 5/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job # **181348/20000/2900**

Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|------------------------------|-----------------|---------|-----------------|-------------|
| SB-PCH-5SB-W-63 | | | | |
| SB-PCH-5SB-Y-64 | | | | |
| NB-5-PCH/CLR-W-65 | | | | |
| NB-5-CLR/CLR-W-66 | | | | |
| NB-5-CLR OFF-Y-66 | | | | |
| CLR/PCH-UC-W-67 | | | | |
| CLR-SB5--W-68 | | | | |
| CLR-SB5-Y-69 | | | | |
| CLR-5NB-W-70 | | | | |
| CLR-5NB-Y-71 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1978 AB
JAN 20 2012



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 1 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1981-01 | SB-S-W-1 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-02 | SB-LM-W-2 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-03 | SB-S-W-3 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-04 | SB-LM-W-4 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-05 | SB-S-W-5 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-06 | SB-LM-W-6 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-07 | SB-S-W-7 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-08 | SB-LM-W-8 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-09 | SB-S-W-9 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-10 | SB-LM-W-10 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-11 | SB-S-W-11 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-12 | SB-LM-W-12 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-13 | SB-S-W-13 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-14 | SB-LM-W-14 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-15 | SB-S-W-15 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-16 | SB-LM-W-16 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 2 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1981-17 | SB-S-W-17 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-18 | SB-LM-W-18 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-19 | SB-S-W-19 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-20 | SB-LM-W-20 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-21 | SB-S-W-21 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-22 | SB-SD-W-22 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-23 | SB-S-W-23 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-24 | SB-LM-W-24 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-25 | NB-S-W-25 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-26 | NB-LM-W-26 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-27 | NB-S-W-27 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-28 | NB-LM-W-28 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-29 | NB-S-W-29 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-30 | NB-LM-W-30 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-31 | NB-S-W-31 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-32 | NB-LM-W-32 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 3 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1981-33 | NB-S-W-33 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-34 | NB-LM-W-34 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-35 | NB-S-W-35 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-36 | NB-LM-W-36 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-37 | NB-S-W-37 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-38 | NB-LM-W-38 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-39 | SB-HOV-Y-39 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-40 | SB-HOV-Y-40 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-41 | SB-HOV-Y-41 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-42 | SB-HOV-Y-42 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-43 | SB-HOV-Y-43 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-44 | SB-HOV-Y-44 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-45 | SB-HOV-Y-45 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-46 | SB-HOV-Y-46 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-47 | SB-HOV-Y-47 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-48 | SB-HOV-Y-48 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 4 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1981-49 | NB-HOV-Y-49 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-50 | NB-HOV-Y-50 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-51 | NB-HOV-Y-51 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-52 | NB-HOV-Y-52 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-53 | NB-HOV-Y-53 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-54 | NB-HOV-Y-54 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-55 | SB-CC-OR-W-55 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-56 | SB-CC-OR-Y-56 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-57 | SB-5-PCH-OFF-Y-57 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-58 | SB-5-PCH-OFF-W-58 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-59 | SB5-CLR-OFF-Y-59 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-60 | SB5-CLR-OFF-W-60 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-61 | SB-PCH-5-SB-W-61 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-62 | SB-PCH-5-SB-Y-62 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-63 | SB-PCH-5-SB-W-63 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-64 | SB-PCH-5-SB-Y-64 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 5 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u> |
|---------------------|-------------------------|---------------|---------------------|---------------|-----------------------|---------------|
| B2A1981-65 | NB-5-PCH/CLR-W-65 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-66 | NB-5-CLR-OFF-Y-66 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-67 | CLR/PCH-UC-W-67 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-68 | CLR-SB5-W-68 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-69 | CLR-SB5-Y-69 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-70 | CLR-5NB-W-70 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |
| B2A1981-71 | CLR-5NB-Y-71 | Solid | 01/17/12 00:00 | Erik Paquette | 01/19/12 11:30 | Erik Paquette |

Note: TCLP results are reflected herein.



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 6 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-01 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-1 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:36 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:36 | KRV | |
| B2A1981-02 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-2 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:38 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:38 | KRV | |
| B2A1981-03 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-3 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:40 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:40 | KRV | |
| B2A1981-04 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-4 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:11 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:11 | KRV | |
| B2A1981-05 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-5 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:15 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:15 | KRV | |
| B2A1981-06 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-6 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:46 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:46 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 7 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-07 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-7 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:17 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:17 | KRV | |
| B2A1981-08 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-8 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:57 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:57 | KRV | |
| B2A1981-09 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-9 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:59 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 17:59 | KRV | |
| B2A1981-10 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-10 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:01 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:01 | KRV | |
| B2A1981-11 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-11 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:03 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:03 | KRV | |
| B2A1981-12 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-12 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:06 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:06 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 8 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-13 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-13 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:08 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:08 | KRV | |
| B2A1981-14 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-14 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:10 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:10 | KRV | |
| B2A1981-15 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-15 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:12 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:12 | KRV | |
| B2A1981-16 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-16 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:14 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:14 | KRV | |
| B2A1981-17 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-17 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:16 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:16 | KRV | |
| B2A1981-18 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-18 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:32 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:32 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 9 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-19 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-19 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:25 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:25 | KRV | |
| B2A1981-20 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-20 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:27 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:27 | KRV | |
| B2A1981-21 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-21 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:34 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:34 | KRV | |
| B2A1981-22 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-SD-W-22 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:38 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:38 | KRV | |
| B2A1981-23 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-S-W-23 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:40 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:40 | KRV | |
| B2A1981-24 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-LM-W-24 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:42 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:42 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 10 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-25 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-25 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:44 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:44 | KRV | |
| B2A1981-26 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-26 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:43 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:43 | KRV | |
| B2A1981-27 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-27 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:53 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:53 | KRV | |
| B2A1981-28 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-28 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:55 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:55 | KRV | |
| B2A1981-29 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-29 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:57 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:57 | KRV | |
| B2A1981-30 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-30 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:45 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:45 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 11 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-31 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-31 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:59 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 18:59 | KRV | |
| B2A1981-32 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-32 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:01 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:01 | KRV | |
| B2A1981-33 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-33 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:03 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:03 | KRV | |
| B2A1981-34 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-34 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:05 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:05 | KRV | |
| B2A1981-35 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-35 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:07 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:07 | KRV | |
| B2A1981-36 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-36 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:09 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:09 | KRV | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 12 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-37 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-S-W-37 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:47 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:47 | KRV | |
| B2A1981-38 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-LM-W-38 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:11 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:11 | KRV | |
| B2A1981-39 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-39 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:21 | KRV | |
| Lead | 0.50 | 0.50 | mg/L | EPA 6020A | 02/03/12 19:21 | KRV | |
| B2A1981-40 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-40 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:23 | KRV | |
| Lead | 0.60 | 0.50 | mg/L | EPA 6020A | 02/03/12 19:23 | KRV | |
| B2A1981-41 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-41 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:33 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:33 | KRV | |
| B2A1981-42 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-42 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:35 | KRV | |
| Lead | 0.63 | 0.50 | mg/L | EPA 6020A | 02/03/12 19:35 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 13 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-43 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-43 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:37 | KRV | |
| Lead | 0.65 | 0.50 | mg/L | EPA 6020A | 02/03/12 19:37 | KRV | |
| B2A1981-44 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-44 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:39 | KRV | |
| Lead | 0.77 | 0.50 | mg/L | EPA 6020A | 02/03/12 19:39 | KRV | |
| B2A1981-45 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-45 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:48 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:48 | KRV | |
| B2A1981-46 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-46 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:50 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:50 | KRV | |
| B2A1981-47 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-47 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:52 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:52 | KRV | |
| B2A1981-48 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-HOV-Y-48 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:54 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:54 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 14 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-49 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-49 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:56 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:56 | KRV | |
| B2A1981-50 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-50 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:49 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:49 | KRV | |
| B2A1981-51 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-51 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:58 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 19:58 | KRV | |
| B2A1981-52 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-52 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:00 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:00 | KRV | |
| B2A1981-53 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-53 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:02 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:02 | KRV | |
| B2A1981-54 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-HOV-Y-54 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:51 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:51 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 15 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-55 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-W-55 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:04 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:04 | KRV | |
| B2A1981-56 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-CC-OR-Y-56 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:53 | KRV | |
| Lead | 1.0 | 0.50 | mg/L | EPA 6020A | 02/03/12 20:53 | KRV | |
| B2A1981-57 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-Y-57 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:06 | KRV | |
| Lead | 3.7 | 0.50 | mg/L | EPA 6020A | 02/03/12 20:06 | KRV | |
| B2A1981-58 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-5-PCH-OFF-W-58 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:56 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:56 | KRV | |
| B2A1981-59 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-Y-59 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:58 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:58 | KRV | |
| B2A1981-60 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB5-CLR-OFF-W-60 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:00 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:00 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 16 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-61 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-61 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:02 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:02 | KRV | |
| B2A1981-62 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-62 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:16 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:16 | KRV | |
| B2A1981-63 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-W-63 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:19 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:19 | KRV | |
| B2A1981-64 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| SB-PCH-5-SB-Y-64 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:21 | KRV | |
| Lead | 1.2 | 0.50 | mg/L | EPA 6020A | 02/03/12 21:21 | KRV | |
| B2A1981-65 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-PCH/CLR-W-65 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:18 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:18 | KRV | |
| B2A1981-66 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| NB-5-CLR-OFF-Y-66 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:23 | KRV | |
| Lead | 1.4 | 0.50 | mg/L | EPA 6020A | 02/03/12 21:23 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 17 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

| | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|--|--------|------|-------|-----------|----------------|---------|------|
| B2A1981-67 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR/PCH-UC-W-67 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:25 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:25 | KRV | |
| B2A1981-68 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-W-68 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:27 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:27 | KRV | |
| B2A1981-69 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-SB5-Y-69 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 21:29 | KRV | |
| Lead | 1.6 | 0.50 | mg/L | EPA 6020A | 02/03/12 21:29 | KRV | |
| B2A1981-70 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-W-70 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:20 | KRV | |
| Lead | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:20 | KRV | |
| B2A1981-71 <i>Sampled: 01/17/12 00:00</i> | | | | | | | |
| CLR-5NB-Y-71 | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | EPA 6020A | 02/03/12 20:22 | KRV | |
| Lead | 2.1 | 0.50 | mg/L | EPA 6020A | 02/03/12 20:22 | KRV | |



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 18 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Toxicity Characteristic Leaching Procedure (EPA Method 1311); Metals - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|--------|------|-------|-------------------------------|---------------|-------------------------------|-------------|------|-----------|------|
| Batch 12A3052 - EPA 200.2 TCLP E01 | | | | | | | | | | |
| Blank (12A3052-BLK1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12A3052-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.00 | 0.50 | mg/L | 1.00 | | 100 | 83-128 | | | |
| Lead | 1.02 | 0.50 | mg/L | 1.00 | | 102 | 74-117 | | | |
| Matrix Spike (12A3052-MS1) | | | | Source: B2A1981-01 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 1.06 | 0.50 | mg/L | 1.00 | 0.0309 | 103 | 80-132 | | | |
| Lead | 1.22 | 0.50 | mg/L | 1.00 | 0.298 | 91.9 | 70-120 | | | |
| Matrix Spike Dup (12A3052-MSD1) | | | | Source: B2A1981-01 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 0.994 | 0.50 | mg/L | 1.00 | 0.0309 | 96.3 | 80-132 | 6.30 | 20 | |
| Lead | 1.24 | 0.50 | mg/L | 1.00 | 0.298 | 94.6 | 70-120 | 2.16 | 20 | |
| Batch 12B0112 - EPA 3015A TCLP E01 | | | | | | | | | | |
| Blank (12B0112-BLK1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12B0112-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.09 | 0.50 | mg/L | 1.00 | | 109 | 83-128 | | | |
| Lead | 1.08 | 0.50 | mg/L | 1.00 | | 108 | 74-117 | | | |
| Matrix Spike (12B0112-MS1) | | | | Source: B2A1981-23 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 1.10 | 0.50 | mg/L | 1.00 | 0.0207 | 108 | 80-132 | | | |
| Lead | 1.07 | 0.50 | mg/L | 1.00 | 0.00354 | 107 | 70-120 | | | |



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 19 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Toxicity Characteristic Leaching Procedure (EPA Method 1311); Metals - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|--------|--|-------|--|---------------|------|-------------|------|-----------|------|
| Batch 12B0112 - EPA 3015A TCLP E01 | | | | | | | | | | |
| Matrix Spike Dup (12B0112-MSD1) | | Source: B2A1981-23 | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.06 | 0.50 | mg/L | 1.00 | 0.0207 | 104 | 80-132 | 3.75 | 20 | |
| Lead | 1.03 | 0.50 | mg/L | 1.00 | 0.00354 | 103 | 70-120 | 3.99 | 20 | |
| Batch 12B0113 - EPA 3015A TCLP E01 | | | | | | | | | | |
| Blank (12B0113-BLK1) | | Prepared & Analyzed: 02/03/12 | | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |
| LCS (12B0113-BS1) | | Prepared & Analyzed: 02/03/12 | | | | | | | | |
| Total Chromium | 1.05 | 0.50 | mg/L | 1.00 | | 105 | 83-128 | | | |
| Lead | 1.06 | 0.50 | mg/L | 1.00 | | 106 | 74-117 | | | |
| Matrix Spike (12B0113-MS1) | | Source: B2A1981-42 | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.14 | 0.50 | mg/L | 1.00 | 0.155 | 98.7 | 80-132 | | | |
| Lead | 1.52 | 0.50 | mg/L | 1.00 | 0.631 | 88.8 | 70-120 | | | |
| Matrix Spike Dup (12B0113-MSD1) | | Source: B2A1981-42 | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.17 | 0.50 | mg/L | 1.00 | 0.155 | 102 | 80-132 | 2.72 | 20 | |
| Lead | 1.57 | 0.50 | mg/L | 1.00 | 0.631 | 93.4 | 70-120 | 3.02 | 20 | |
| Batch 12B0319 - EPA 3015A TCLP E01 | | | | | | | | | | |
| Blank (12B0319-BLK1) | | Prepared & Analyzed: 02/03/12 | | | | | | | | |
| Total Chromium | ND | 0.50 | mg/L | | | | | | | |
| Lead | ND | 0.50 | mg/L | | | | | | | |



E.S.BABCOCK&Sons,Inc.
 Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
 Contact:David Lennon
 Address:123 Technology Drive
 Irvine, CA 92618

Analytical Report: Page 20 of 21
 Project Name: Paint Chip Samples
 Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Toxicity Characteristic Leaching Procedure (EPA Method 1311); Metals - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|--------|------|-------|-------------------------------|---------------|-------------------------------|-------------|------|-----------|------|
| Batch 12B0319 - EPA 3015A TCLP E01 | | | | | | | | | | |
| LCS (12B0319-BS1) | | | | Prepared & Analyzed: 02/03/12 | | | | | | |
| Total Chromium | 1.07 | 0.50 | mg/L | 1.00 | | 107 | 83-128 | | | |
| Lead | 0.979 | 0.50 | mg/L | 1.00 | | 97.9 | 74-117 | | | |
| Matrix Spike (12B0319-MS1) | | | | Source: B2A1981-18 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 1.01 | 0.50 | mg/L | 1.00 | ND | 101 | 80-132 | | | |
| Lead | 0.946 | 0.50 | mg/L | 1.00 | 0.0119 | 93.4 | 70-120 | | | |
| Matrix Spike Dup (12B0319-MSD1) | | | | Source: B2A1981-18 | | Prepared & Analyzed: 02/03/12 | | | | |
| Total Chromium | 1.05 | 0.50 | mg/L | 1.00 | ND | 105 | 80-132 | 3.41 | 20 | |
| Lead | 1.00 | 0.50 | mg/L | 1.00 | 0.0119 | 99.2 | 70-120 | 5.96 | 20 | |

Notes and Definitions

- ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit
- * / " : NELAP does not offer accreditation for this analyte/method/matrix combination



E.S.BABCOCK&Sons,Inc.
Environmental Laboratories *est. 1906*

Client Name:TRC Solutions, Inc.
Contact:David Lennon
Address:123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 21 of 21
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date:06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Robin Glenney, Project Manager

cc:

e-Tab_Summary.rpt



E.S.BABCOCK & Sons, Inc. Environmental Laboratories est. 1906

Client Name: TRC Solutions, Inc. Contact: David Lennon Address: 123 Technology Drive Irvine, CA 92618

Analytical Report: Page 1 of 6 Project Name: Paint Chip Samples Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

Chain of Custody & Sample Information Record

E.S. Babcock & Sons, Inc. Environmental Laboratories (951) 653-3351 FAX (951) 653-1662 www.babcocklabs.com

Client: TRC Contact: DAVID LENNON Phone No. (949) 727-7458 AX No. (949) 727-3022 Email: dlennon@trcsolutions.com

Project Name: OCTA I-5 Hwy Extension Turn Around Time: Routine Project Location: *Lab TAT Approval: By: dlennon

Additional Reporting Requests: Include OC Data Package: [X] Yes [] No FAX Results: [] Yes [X] No Email Results: [] Yes [X] No State EDT: [] Yes [X] No

Sampler Information Name: PAIK PAQUETTE Employer: TRC Signature: S. Paquette

Sample ID Date Time 1/11/12 N/A 1 inch for weight only #* See TRC Sample Data Sheets for samples 1-71

Table with columns: # of Containers, # of Preservatives, Matrix, Analysis Requested, Sample Type, Total # of Containers

Relinquished By (sign) PAIK PAQUETTE / TRC Date / Time 1/19/12 @ 11:30am Received By (Sign) [Signature]

Sample Integrity Upon Receipt: Yes No Sample(s) Submitted on Ice? Yes No Custody Seal(s) Intact? Yes No Sample(s) Intact? Yes No

Temperature 26°C Cooler Blank [] Lab Notes: Lab No. B2A1981 JAN 20 2012 Page 1 of 6



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 2 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: **B2A1981**

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C

SB = Southbound
NB = Northbound
S = Shoulder
LM = Lane Marker
SD = Shoulder Diagonal

W = White
Y = Yellow

HOV = Median



Pg 1 of 5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|----------------------|--|---------|-----------------|-------------|
| SB-S-W-1 | South Bound ^{Stripe} Shoulder | Asphalt | I | |
| SB-LM-W-2 | ^{Lane marker} See GPS | | Fair | |
| SB-S-W-3 | | | Good | |
| SB-LM-W-4 | | | Fair | |
| -S-W-5 | South Bound ^{Stripe} Shoulder | | | |
| - LM -W-6 | South Bound Lane Marker (White) | | | |
| -S-W-7 | - Shoulder | | | |
| - ^W LM-8 | - Lane Marker | | | |
| -S-W-9 | - Shoulder | | | |
| -LM-W-10 | - Lane Marker | | | |
| -S-W-11 | - Shoulder | | | |
| -LM-W-12 | - Lane Marker | | | |
| -S-W-13 | - Shoulder | | | |
| -LM-W-14 | - Lane Marker | | | |
| -S-W-15 | - Shoulder | | | |
| -LM-W-16 | - Lane Marker | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1981AB
JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 3 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 2/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**

Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|-----------|--------------------------------------|-------------------|-----------------|--------------|
| SB-S-W-17 | See Gps | | | |
| -LM-W-18 | Coordinates | | | |
| -S-W-19 | | | | 5 1/2" width |
| -LM-W-20 | | | | 4" width |
| -S-W-21 | | | | |
| -SD-W-22 | | Shoulder Diagonal | | 6" width |
| -S-W-23 | | | | |
| -LM-W-24 | | | | |
| NB-S-W-25 | Northbound - Stripe Shoulder (white) | | | |
| -LM-W-26 | | | | |
| -S-W-27 | | | | |
| -LM-W-28 | | | | |
| -S-W-29 | | | | |
| -LM-W-30 | | | | |
| -S-W-31 | | | | |
| -LM-W-32 | | | | |

Notes: S - Shoulder Stripe

LM - Lane Marker

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1981AB
JAN 20 2012



E.S.BABCOCK& Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 4 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



P73/5

Client: OCTA
Job Name: I-5 HOV Improvement Project-Segment 3
Lead Risk Assessor: Sam S, Erik P

Job #: 181348/20000/2900
Date: January 17, 2012

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|--------------|--|---------|-----------------|-------------|
| NB- S-W-33 | See GPS | conc | | |
| - LM-W-34 | locations | | | |
| - S-W-35 | | | | |
| LM-W-36 | | | | |
| S-W-37 | | | | |
| LM-W-38 | | | | |
| SB- HOV-Y-39 | +RF 2.1, 2.4 | | | 3.5" width |
| SB- HOV-Y-40 | XRF 1.8 | | | " " |
| " HOV-Y-41 | (very little yellow paint remaining only inside grooves) | | | |
| " HOV-Y-42 | (RF 3.2) | | | |
| " HOV-Y-43 | | | | |
| " HOV-Y-44 | (XRF 4.8) | | | |
| " HOV-Y-45 | | | | |
| " HOV-Y-46 | | | | |
| " HOV-Y-47 | (RF 0.2, 0.400) | | | |
| " HOV-Y-48 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

HOV - High occupancy
and/or median
B2A1981 LAB



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 5 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 4/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|--------------------------|-------------------|---------|-----------------|-------------|
| VB- HOV - Y - 49 | (FRF 0.0, 0.2, 5) | | | |
| HOV - Y - 50 | | | | |
| HOV - Y - 51 | | | | |
| HOV - Y - 52 | FRF 0.0, 0.2, 0.4 | | | |
| HOV - Y - 53 | | | | |
| HOV - Y - 54 | | | | |
| SB-CC-OR-W-55 | | | | |
| SB-CC-OR-W-55 | | | | |
| SB-CC-OR-Y-56 | | | | |
| SB5-PCH-OFF-Y-57 | | | | |
| SB5-PCH-OFF-W-58 | | | | |
| SB5-CLR-OFF-Y-59 | | | | |
| SB5-CLR-OFF-W-60 | | | | |
| SB-PCH-5 SB-W-61 | | | | |
| SB-PCH-5 SB-Y-62 | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1981 AB
JAN 20 2012



E.S.BABCOCK & Sons, Inc.
Environmental Laboratories *est. 1906*

Client Name: TRC Solutions, Inc.
Contact: David Lennon
Address: 123 Technology Drive
Irvine, CA 92618

Analytical Report: Page 6 of 6
Project Name: Paint Chip Samples
Project Number: Paint Chip Samples

Work Order Number: B2A1981

Report Date: 06-Feb-2012

Received on Ice (Y/N): No Temp: 26°C



Pg 5/5

Client: **OCTA**
Job Name: **I-5 HOV Improvement Project-Segment 3**
Lead Risk Assessor: **Sam S, Erik P**

Job #: **181348/20000/2900**
Date: **January 17, 2012**

| Sample # | Sample Location | Surface | Paint Condition | Linear Feet |
|------------------------------|-----------------|---------|-----------------|-------------|
| SB-PCH-5SB-W-63 | | | | |
| SB-PCH-5SB-Y-64 | | | | |
| NB-5-PCH/CLR-W-65 | | | | |
| NB-5-PCH/CLR-W-65 | | | | |
| NB-5-CLR OFF-Y-66 | | | | |
| CLR/PCH-UC-W-67 | | | | |
| CLR-SB5-W-68 | | | | |
| CLR-SB5-Y-69 | | | | |
| CLR-5NB-W-70 | | | | |
| CLR-5NB-Y-71 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

123 Technology Drive
Irvine, CA 92618
Phone: 949-727-9336, Fax: 949-727-7346
www.trcsolutions.com

B2A1981 AB
JAN 20 2012

APPENDIX B

LABORATORY CERTIFICATIONS



MARK B HORTON, MD, MSPH
Director

State of California—Health and Human Services Agency
California Department of Public Health



ARNOLD SCHWARZENEGGER
Governor

May 3, 2010

LAWRENCE CHRYSTAL
EDWARD S. BABCOCK & SONS, INC.
PO BOX 432
RIVERSIDE, CA 92502-0432

Dear LAWRENCE CHRYSTAL:

Certificate No. 2698

This is to advise you that the laboratory named above continues to be certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq. Certification for all currently certified Fields of Testing that the laboratory has applied for renewal shall remain in effect until **05/31/2012** unless it is revoked.

Please note that the renewal application for certification is subject to an on-site process, and the continued use of this certificate is contingent upon:

- * **successful completion of the on-site process;**
- * **acceptable performance in the required proficiency testing (PT) studies;**
- * **timely payment of all fees, including an annual fee due before May 31, 2011;**
- * **compliance with Environmental Laboratory Accreditation Program Branch (ELAP) statutes (HSC, Section 100825, et seq.) and Regulations (California Code of Regulations (CCR), Title 22, Division 4, Chapter 19).**

An updated certificate of the "Fields of Testing" will be issued to the laboratory upon successful completion of the on-site process.

The application for the renewal of this certificate must be received before the expiration date to remain in force according to the HSC100845(a).

Please note that the laboratory is required to notify ELAP of any major changes in the laboratory such as the transfer of ownership, change of laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (HSC, Section 100845(b)(d)). Please include the above certificate number in all your correspondence with ELAP.

If you have any questions, please contact ELAP at (510) 620-3155.

Sincerely,

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

EDWARD S. BABCOCK & SONS, INC.

6100 & 6110 QUAIL VALLEY COURT
RIVERSIDE, CA 92507

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2698**

Expiration Date: **05/31/2012**

Effective Date: **05/01/2010**

Richmond, California
subject to forfeiture or revocation

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch



NELAP - RECOGNIZED



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF NELAP ACCREDITATION

Is hereby granted to

Edward S. Babcock & Sons, Inc.

6100 & 6110 Quail Valley Court
Riverside, CA 92507

Scope of the Certificate is limited to the
"NELAP Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on successful
ongoing participation in the program.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **02101CA**

Expiration Date: **1/31/2012**

Effective Date: **2/1/2011**

Richmond, California
subject to forfeiture or revocation

A handwritten signature in black ink that reads "George C. Kulasingam".

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch



MARK B HORTON, MD, MSPH
Director

State of California—Health and Human Services Agency
California Department of Public Health



ARNOLD SCHWARZENEGGER
Governor

December 24, 2010

LAWRENCE CHRYSTAL
EDWARD S. BABCOCK & SONS, INC.
PO BOX 432
RIVERSIDE, CA 92502-0432

Dear LAWRENCE CHRYSTAL:

Certificate No. 02101CA

This is to advise you that the laboratory named above has been accredited under National Environmental Laboratory Accreditation Program (NELAP) as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.

The Fields of Accreditation for which this laboratory has been accredited are enclosed. Accreditation shall remain in effect until **January 31, 2012** unless revoked by ELAP or withdrawn at your written request. To maintain accreditation, the laboratory shall comply with the National Environmental Laboratory Accreditation Conference (NELAC) Standards and all associated California Environmental Laboratory Accreditation Program Branch (ELAP) regulations and statutes.

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Please note that your laboratory is required to notify California ELAP of any major changes in key accreditation criteria within 30 calendar days of the change. This written notification includes, but is not limited to, changes in ownership, location, key personnel, and major instrumentation (HSC 100845(b) and (d), and NELAC Standard Section 4.3.2). The certificate must be returned to California ELAP upon loss of accredited status.

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories accredited by the State of California.

If you have any questions, please contact Rosalinda Lomboy at (213) 580-5731.

Sincerely,

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Enclosure



CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED
NELAP Fields of Accreditation



EDWARD S. BABCOCK & SONS, INC.

6100 & 6110 QUAIL VALLEY COURT
RIVERSIDE, CA 92507
Phone: (951) 653-3351

Certificate No.: 02101CA
Renew Date: 1/31/2012

101 - Microbiology of Drinking Water

| | | | |
|---------|-----|----------------------------------|------------------------------|
| 101.010 | 001 | SM9215B | Heterotrophic Bacteria |
| 101.020 | 001 | SM9221A,B | Total Coliform |
| 101.021 | 001 | SM9221E (MTF/EC) | Fecal Coliform |
| 101.022 | 001 | CFR 141.21(f)(6)(i) (MTF/EC+MUG) | E. coli |
| 101.050 | 001 | SM9222A,B,C | Total Coliform |
| 101.051 | 001 | SM9221E (MF/EC) | Fecal Coliform |
| 101.052 | 001 | CFR 141.21(f)(6)(i) (MF/EC+MUG) | E. coli |
| 101.060 | 002 | SM9223 | Total Coliform |
| 101.060 | 003 | SM9223 | E. coli |
| 101.070 | 002 | Colisure | Total Coliform |
| 101.070 | 003 | Colisure | E. coli |
| 101.120 | 001 | SM9221A,B,C | Total Coliform (Enumeration) |
| 101.130 | 001 | SM9221E (MTF/EC) | Fecal Coliform (Enumeration) |
| 101.140 | 001 | SM9222A,B,C | Total Coliform (Enumeration) |
| 101.160 | 001 | SM9223 | Total Coliform (Enumeration) |
| 101.200 | 001 | SM9223B | E. coli (Enumeration) |
| 101.210 | 001 | SM9221B.1/SM9221F | E. coli (Enumeration) |

102 - Inorganic Chemistry of Drinking Water

| | | | |
|---------|-----|-----------|------------------------------|
| 102.022 | 001 | SM2130B | Turbidity |
| 102.030 | 003 | EPA 300.0 | Chloride |
| 102.030 | 006 | EPA 300.0 | Nitrate |
| 102.030 | 010 | EPA 300.0 | Sulfate |
| 102.040 | 001 | EPA 300.1 | Bromide |
| 102.040 | 002 | EPA 300.1 | Chlorite |
| 102.040 | 003 | EPA 300.1 | Chlorate |
| 102.040 | 004 | EPA 300.1 | Bromate |
| 102.045 | 001 | EPA 314.0 | Perchlorate |
| 102.048 | 001 | EPA 332.0 | Perchlorate |
| 102.100 | 001 | SM2320B | Alkalinity |
| 102.110 | 001 | SM2330B | Corrosivity (Langlier Index) |
| 102.120 | 001 | SM2340B | Hardness |
| 102.130 | 001 | SM2510B | Conductivity |
| 102.140 | 001 | SM2540C | Total Dissolved Solids |

As of 12/24/2010, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

| | | | |
|---------|-----|---------------|--------------------------|
| 102.163 | 001 | SM4500-Cl G | Chlorine, Free and Total |
| 102.180 | 001 | SM4500-ClO2 D | Chlorine Dioxide |
| 102.190 | 001 | SM4500-CN E | Cyanide, Total |
| 102.192 | 001 | SM4500-CN G | Cyanide, amenable |
| 102.200 | 001 | SM4500-F C | Fluoride |
| 102.210 | 001 | SM4500-H+ B | pH |
| 102.220 | 001 | SM4500-NO2 B | Nitrite |
| 102.240 | 001 | SM4500-P E | Phosphate, Ortho |
| 102.260 | 001 | SM5310B | Total Organic Carbon |
| 102.261 | 001 | SM5310B | DOC |
| 102.261 | 002 | SM5310B | TOC/DOC |
| 102.270 | 001 | SM5540C | Surfactants |
| 102.280 | 001 | SM5910B | UV254 |
| 102.510 | 006 | SM3120B | Hardness (calc.) |
| 102.520 | 001 | EPA 200.7 | Calcium |
| 102.520 | 002 | EPA 200.7 | Magnesium |
| 102.520 | 003 | EPA 200.7 | Potassium |
| 102.520 | 004 | EPA 200.7 | Silica |
| 102.520 | 005 | EPA 200.7 | Sodium |
| 102.520 | 006 | EPA 200.7 | Hardness (calc.) |

103 - Toxic Chemical Elements of Drinking Water

| | | | |
|---------|-----|-----------|-----------|
| 103.030 | 001 | SM3112B | Mercury |
| 103.130 | 001 | EPA 200.7 | Aluminum |
| 103.130 | 003 | EPA 200.7 | Barium |
| 103.130 | 004 | EPA 200.7 | Beryllium |
| 103.130 | 005 | EPA 200.7 | Cadmium |
| 103.130 | 007 | EPA 200.7 | Chromium |
| 103.130 | 008 | EPA 200.7 | Copper |
| 103.130 | 009 | EPA 200.7 | Iron |
| 103.130 | 011 | EPA 200.7 | Manganese |
| 103.130 | 012 | EPA 200.7 | Nickel |
| 103.130 | 015 | EPA 200.7 | Silver |
| 103.130 | 017 | EPA 200.7 | Zinc |
| 103.140 | 001 | EPA 200.8 | Aluminum |
| 103.140 | 002 | EPA 200.8 | Antimony |
| 103.140 | 003 | EPA 200.8 | Arsenic |
| 103.140 | 004 | EPA 200.8 | Barium |
| 103.140 | 005 | EPA 200.8 | Beryllium |
| 103.140 | 006 | EPA 200.8 | Cadmium |
| 103.140 | 007 | EPA 200.8 | Chromium |
| 103.140 | 008 | EPA 200.8 | Copper |

| | | | |
|---------|-----|-----------|-----------|
| 103.140 | 009 | EPA 200.8 | Lead |
| 103.140 | 010 | EPA 200.8 | Manganese |
| 103.140 | 011 | EPA 200.8 | Mercury |
| 103.140 | 012 | EPA 200.8 | Nickel |
| 103.140 | 013 | EPA 200.8 | Selenium |
| 103.140 | 014 | EPA 200.8 | Silver |
| 103.140 | 015 | EPA 200.8 | Thallium |
| 103.140 | 016 | EPA 200.8 | Zinc |

104 - Volatile Organic Chemistry of Drinking Water

| | | | |
|---------|-----|-----------|----------------------------|
| 104.030 | 004 | EPA 504.1 | EDB and DBCP |
| 104.040 | 000 | EPA 524.2 | Volatile Organic Compounds |
| 104.045 | 005 | EPA 524.2 | Trihalomethanes |
| 104.050 | 011 | EPA 524.2 | Oxygenates |

105 - Semi-volatile Organic Chemistry of Drinking Water

| | | | |
|---------|-----|-----------|-----------------------------------|
| 105.040 | 000 | EPA 508 | Chlorinated Pesticides |
| 105.040 | 016 | EPA 508 | PCBs as Aroclors (screen) |
| 105.082 | 009 | EPA 515.3 | Chlorinated Acids |
| 105.090 | 029 | EPA 525.2 | Polynuclear Aromatic Hydrocarbons |
| 105.090 | 030 | EPA 525.2 | Adipates |
| 105.090 | 031 | EPA 525.2 | Phthalates |
| 105.090 | 032 | EPA 525.2 | Other Extractables |
| 105.090 | 034 | EPA 525.2 | Pesticides |
| 105.140 | 001 | EPA 548.1 | Endothall |
| 105.190 | 009 | SM6251B | Haloacetic Acids |

106 - Radiochemistry of Drinking Water

| | | | |
|---------|-----|-----------|---------|
| 106.092 | 001 | EPA 200.8 | Uranium |
|---------|-----|-----------|---------|

107 - Microbiology of Wastewater

| | | | |
|---------|-----|--------------------|--------------------------------------|
| 107.010 | 001 | SM9215B | Heterotrophic Bacteria |
| 107.020 | 001 | SM9221B | Total Coliform |
| 107.030 | 001 | SM9221B | Total Coliform with Chlorine Present |
| 107.040 | 001 | SM9221C,E (MTF/EC) | Fecal Coliform |
| 107.050 | 001 | SM9221E | Fecal Coliform with Chlorine Present |
| 107.100 | 001 | SM9230B | Fecal Streptococci |
| 107.100 | 002 | SM9230B | Enterococci |
| 107.242 | 001 | Enterolert | Enterococci |
| 107.245 | 001 | SM9223 | E. coli |

108 - Inorganic Chemistry of Wastewater

| | | | |
|---------|-----|-----------|-------------------|
| 108.090 | 001 | EPA 160.4 | Residue, Volatile |
| 108.112 | 001 | EPA 200.7 | Boron |
| 108.112 | 002 | EPA 200.7 | Calcium |

| | | | |
|---------|-----|---------------------|--|
| 108.112 | 003 | EPA 200.7 | Hardness (calc.) |
| 108.112 | 004 | EPA 200.7 | Magnesium |
| 108.112 | 005 | EPA 200.7 | Potassium |
| 108.112 | 006 | EPA 200.7 | Silica |
| 108.112 | 007 | EPA 200.7 | Sodium |
| 108.120 | 001 | EPA 300.0 | Bromide |
| 108.120 | 002 | EPA 300.0 | Chloride |
| 108.120 | 004 | EPA 300.0 | Nitrate |
| 108.120 | 008 | EPA 300.0 | Sulfate |
| 108.211 | 001 | EPA 351.2 | Kjeldahl Nitrogen |
| 108.350 | 001 | EPA 418.1 | Total Recoverable Petroleum Hydrocarbons |
| 108.362 | 001 | EPA 420.4 | Phenols, Total |
| 108.381 | 001 | EPA 1664A | Oil and Grease |
| 108.385 | 001 | SM2120B | Color |
| 108.390 | 001 | SM2130B | Turbidity |
| 108.410 | 001 | SM2320B | Alkalinity |
| 108.420 | 001 | SM2340B | Hardness (calc.) |
| 108.430 | 001 | SM2510B | Conductivity |
| 108.440 | 001 | SM2540B | Residue, Total |
| 108.441 | 001 | SM2540C | Residue, Filterable |
| 108.442 | 001 | SM2540D | Residue, Non-filterable |
| 108.443 | 001 | SM2540F | Residue, Settleable |
| 108.465 | 001 | SM4500-CI G | Chlorine |
| 108.470 | 001 | SM4500-CN C | Cyanide, Manual Distillation |
| 108.472 | 001 | SM4500-CN E | Cyanide, Total |
| 108.473 | 001 | SM4500-CN G | Cyanide, amenable |
| 108.480 | 001 | SM4500-F C | Fluoride |
| 108.490 | 001 | SM4500-H+ B | pH |
| 108.498 | 001 | SM4500-NH3 H (18th) | Ammonia |
| 108.510 | 001 | SM4500-NO2 B | Nitrite |
| 108.530 | 001 | SM4500-O C | Dissolved Oxygen |
| 108.531 | 001 | SM4500-O G | Dissolved Oxygen |
| 108.540 | 001 | SM4500-P E | Phosphate, Ortho |
| 108.541 | 001 | SM4500-P E | Phosphorus, Total |
| 108.580 | 001 | SM4500-S= D | Sulfide |
| 108.590 | 001 | SM5210B | Biochemical Oxygen Demand |
| 108.591 | 001 | SM5210B | Carbonaceous BOD |
| 108.602 | 001 | SM5220D | Chemical Oxygen Demand |
| 108.610 | 001 | SM5310B | Total Organic Carbon |
| 108.640 | 001 | SM5540C | Surfactants |

109 - Toxic Chemical Elements of Wastewater

As of 12/24/2010, this list supersedes all previous lists for this certificate number.
 Customers: Please verify the current accreditation standing with the State.

| | | | |
|---------|-----|-----------|------------|
| 109.010 | 001 | EPA 200.7 | Aluminum |
| 109.010 | 002 | EPA 200.7 | Antimony |
| 109.010 | 003 | EPA 200.7 | Arsenic |
| 109.010 | 004 | EPA 200.7 | Barium |
| 109.010 | 005 | EPA 200.7 | Beryllium |
| 109.010 | 007 | EPA 200.7 | Cadmium |
| 109.010 | 009 | EPA 200.7 | Chromium |
| 109.010 | 010 | EPA 200.7 | Cobalt |
| 109.010 | 011 | EPA 200.7 | Copper |
| 109.010 | 012 | EPA 200.7 | Iron |
| 109.010 | 013 | EPA 200.7 | Lead |
| 109.010 | 015 | EPA 200.7 | Manganese |
| 109.010 | 016 | EPA 200.7 | Molybdenum |
| 109.010 | 017 | EPA 200.7 | Nickel |
| 109.010 | 019 | EPA 200.7 | Selenium |
| 109.010 | 021 | EPA 200.7 | Silver |
| 109.010 | 023 | EPA 200.7 | Thallium |
| 109.010 | 024 | EPA 200.7 | Tin |
| 109.010 | 026 | EPA 200.7 | Vanadium |
| 109.010 | 027 | EPA 200.7 | Zinc |
| 109.020 | 001 | EPA 200.8 | Aluminum |
| 109.020 | 002 | EPA 200.8 | Antimony |
| 109.020 | 003 | EPA 200.8 | Arsenic |
| 109.020 | 004 | EPA 200.8 | Barium |
| 109.020 | 005 | EPA 200.8 | Beryllium |
| 109.020 | 006 | EPA 200.8 | Cadmium |
| 109.020 | 007 | EPA 200.8 | Chromium |
| 109.020 | 008 | EPA 200.8 | Cobalt |
| 109.020 | 009 | EPA 200.8 | Copper |
| 109.020 | 010 | EPA 200.8 | Lead |
| 109.020 | 011 | EPA 200.8 | Manganese |
| 109.020 | 012 | EPA 200.8 | Molybdenum |
| 109.020 | 013 | EPA 200.8 | Nickel |
| 109.020 | 014 | EPA 200.8 | Selenium |
| 109.020 | 015 | EPA 200.8 | Silver |
| 109.020 | 016 | EPA 200.8 | Thallium |
| 109.020 | 017 | EPA 200.8 | Vanadium |
| 109.020 | 018 | EPA 200.8 | Zinc |
| 109.020 | 020 | EPA 200.8 | Gold |
| 109.020 | 021 | EPA 200.8 | Iron |
| 109.020 | 022 | EPA 200.8 | Tin |

| | | | |
|---------|-----|-------------------------|---------------|
| 109.020 | 023 | EPA 200.8 | Titanium |
| 109.104 | 001 | EPA 218.6 | Chromium (VI) |
| 109.400 | 001 | SM3112B | Mercury |
| 109.811 | 001 | SM3500-Cr D (18th/19th) | Chromium (VI) |

110 - Volatile Organic Chemistry of Wastewater

| | | | |
|---------|-----|---------|--------------------------|
| 110.040 | 040 | EPA 624 | Halogenated Hydrocarbons |
| 110.040 | 041 | EPA 624 | Aromatic Compounds |
| 110.040 | 042 | EPA 624 | Oxygenates |
| 110.040 | 043 | EPA 624 | Other Volatile Organics |

111 - Semi-volatile Organic Chemistry of Wastewater

| | | | |
|---------|-----|-----------|-----------------------------------|
| 111.101 | 030 | EPA 625 | Pesticides |
| 111.101 | 031 | EPA 625 | PCBs |
| 111.101 | 032 | EPA 625 | Polynuclear Aromatic Hydrocarbons |
| 111.101 | 033 | EPA 625 | Adipates |
| 111.101 | 034 | EPA 625 | Phthalates |
| 111.101 | 036 | EPA 625 | Other Extractables |
| 111.170 | 030 | EPA 608 | Organochlorine Pesticides |
| 111.170 | 031 | EPA 608 | PCBs |
| 111.273 | 001 | EPA 1664A | Oil and Grease |

114 - Inorganic Chemistry of Hazardous Waste

| | | | |
|---------|-----|-----------|------------|
| 114.010 | 001 | EPA 6010B | Antimony |
| 114.010 | 002 | EPA 6010B | Arsenic |
| 114.010 | 003 | EPA 6010B | Barium |
| 114.010 | 004 | EPA 6010B | Beryllium |
| 114.010 | 005 | EPA 6010B | Cadmium |
| 114.010 | 006 | EPA 6010B | Chromium |
| 114.010 | 007 | EPA 6010B | Cobalt |
| 114.010 | 008 | EPA 6010B | Copper |
| 114.010 | 009 | EPA 6010B | Lead |
| 114.010 | 010 | EPA 6010B | Molybdenum |
| 114.010 | 011 | EPA 6010B | Nickel |
| 114.010 | 012 | EPA 6010B | Selenium |
| 114.010 | 013 | EPA 6010B | Silver |
| 114.010 | 014 | EPA 6010B | Thallium |
| 114.010 | 015 | EPA 6010B | Vanadium |
| 114.010 | 016 | EPA 6010B | Zinc |
| 114.020 | 001 | EPA 6020 | Antimony |
| 114.020 | 002 | EPA 6020 | Arsenic |
| 114.020 | 003 | EPA 6020 | Barium |
| 114.020 | 004 | EPA 6020 | Beryllium |
| 114.020 | 005 | EPA 6020 | Cadmium |

| | | | |
|---------|-----|-----------|--------------------------------|
| 114.020 | 006 | EPA 6020 | Chromium |
| 114.020 | 007 | EPA 6020 | Cobalt |
| 114.020 | 008 | EPA 6020 | Copper |
| 114.020 | 009 | EPA 6020 | Lead |
| 114.020 | 010 | EPA 6020 | Molybdenum |
| 114.020 | 011 | EPA 6020 | Nickel |
| 114.020 | 012 | EPA 6020 | Selenium |
| 114.020 | 013 | EPA 6020 | Silver |
| 114.020 | 014 | EPA 6020 | Thallium |
| 114.020 | 015 | EPA 6020 | Vanadium |
| 114.020 | 016 | EPA 6020 | Zinc |
| 114.103 | 001 | EPA 7196A | Chromium (VI) |
| 114.106 | 001 | EPA 7199 | Chromium (VI) |
| 114.140 | 001 | EPA 7470A | Mercury |
| 114.141 | 001 | EPA 7471A | Mercury |
| 114.221 | 001 | EPA 9012A | Cyanide, Total |
| 114.230 | 001 | EPA 9034 | Sulfides, Total |
| 114.240 | 001 | EPA 9040B | Corrosivity - pH Determination |
| 114.241 | 001 | EPA 9045C | Corrosivity - pH Determination |
| 114.270 | 001 | EPA 9214 | Fluoride |

115 - Extraction Test of Hazardous Waste

| | | | |
|---------|-----|---------------------------------------|---|
| 115.020 | 001 | EPA 1311 | Toxicity Characteristic Leaching Procedure (TCLP) |
| 115.030 | 001 | CCR Chapter11, Article 5, Appendix II | Waste Extraction Test (WET) |
| 115.040 | 001 | EPA 1312 | Synthetic Precipitation Leaching Procedure (SPLP) |

116 - Volatile Organic Chemistry of Hazardous Waste

| | | | |
|---------|-----|------------|---|
| 116.010 | 000 | EPA 8011 | EDB and DBCP |
| 116.030 | 001 | EPA 8015B | Gasoline-range Organics |
| 116.080 | 000 | EPA 8260B | Volatile Organic Compounds |
| 116.080 | 120 | EPA 8260B | Oxygenates |
| 116.100 | 002 | LUFT GC/MS | Benzene |
| 116.100 | 003 | LUFT GC/MS | Toluene |
| 116.100 | 004 | LUFT GC/MS | Xylenes |
| 116.100 | 005 | LUFT GC/MS | Methyl tert-butyl Ether (MTBE) |
| 116.100 | 010 | LUFT GC/MS | BTEX and MTBE |
| 116.110 | 001 | LUFT | Total Petroleum Hydrocarbons - Gasoline |

117 - Semi-volatile Organic Chemistry of Hazardous Waste

| | | | |
|---------|-----|-----------|---|
| 117.010 | 001 | EPA 8015B | Diesel-range Total Petroleum Hydrocarbons |
| 117.016 | 001 | LUFT | Diesel-range Total Petroleum Hydrocarbons |
| 117.017 | 001 | EPA 418.1 | TRPH Screening |
| 117.110 | 000 | EPA 8270C | Extractable Organics |
| 117.111 | 076 | EPA 8270C | Other Extractables |

| | | | |
|---------|-----|-----------|-----------------------------|
| 117.210 | 000 | EPA 8081A | Organochlorine Pesticides |
| 117.220 | 000 | EPA 8082 | PCBs |
| 117.240 | 000 | EPA 8141A | Organophosphorus Pesticides |
| 117.250 | 000 | EPA 8151A | Chlorinated Herbicides |

120 - Physical Properties of Hazardous Waste

| | | | |
|---------|-----|-----------|--------------------------------|
| 120.010 | 001 | EPA 1010 | Ignitability |
| 120.070 | 001 | EPA 9040B | Corrosivity - pH Determination |
| 120.080 | 001 | EPA 9045C | Corrosivity - pH Determination |

APPENDIX C

CONSULTANT CERTIFICATIONS

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant



Erik S Paquette

Name

Certification No. 07-4157

Expires on 07/19/12

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor **04/18/2012**



Erik S. Paquette

ID #: **14356**

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Sampling Technician 07/31/2012



Hector E. Gonzalez

ID #: 22952

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Hector E Gonzalez

Name

Certification No. 06-4072

Expires on 09/20/12



This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Samita D Seneviratne



Name

Certification No. **93-0886**

Expires on **02/18/13**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California
California Environmental Protection Agency
Department of Toxic Substances Control
REGISTERED ENVIRONMENTAL ASSESSOR I

Issued to: **Samita Seneviratne - REA I - 05765**

Annual Expires on: **6/30/2012**

Signature:

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor 01/04/2013

Project Monitor 01/04/2013



Samita D. Seneviratne

ID #: **9658**