I-680 EXPRESS LANES SOIL AND GROUNDWATER ENVIRONMENTAL INVESTIGATION REPORT

Prepared for

California Department of Transportation
District 4

March 13, 2015

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612

28645477

URS

March 13, 2015

Ms. Bonnita Chow
California Dept. of Transportation
Office of Design Contra Costa
111 Grand Avenue, MailStop 9B
P.O. Box 23660
Oakland, CA 94623-0660

RE: I-680 Express Lanes Soil and Groundwater Environmental Investigation Report

Dear Ms. Chow:

URS Corporation (URS) is pleased to submit our site soil and groundwater investigation report for the work conducted along the I-680 corridor from Walnut Creek to San Ramon for the California Department of Transportation (Caltrans).

URS has prepared the attached investigation report on our investigation activities on Caltrans behalf. The information presented in this report is based on data generated during our subsurface investigation efforts. This work was conducted and the attached report was developed under the direction of the undersigned.

If you have any questions on this investigation summary report, please call Mr. Joe Morgan at 510-874-3201.

Sincerely yours,
URS Corporation

REGISTERED GEOLOGIST
GEORGE MUEHLECK
No. 5392
exp 6/2015
STATE OF CALIFORNIA

Joe Morgan III, Senior Project Manager

George Muehleck PG, Senior Geologist

Suzanne Nase, Geologist

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893-3600
Fax: 510.874.3268
www.urscorp.com

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Acronyms

ADL	Aerially Deposited Lead
APCD	Air Pollution Control District
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
bgs	below ground surface
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CCR	California Code of Regulations
DTSC	Department of Toxic Substance Control
ESL	Environmental Screening Level
ft	feet
Gregg	Gregg Drilling and Testing, Inc.
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	high-efficiency particulate air
HOV	High Occupancy Vehicle
I-680	Interstate 680
in	inch
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MVP	Maintenance Vehicle Pullout
NOA	naturally occurring asbestos
PID	photoionization detector
QA/QC	quality assurance / quality control
RCRA	Resource Conservation and Recovery Act
RMSE	root mean square error
ROW	right of way
RWQCB	Regional Water Quality Control Board
sg	silica gel clean up procedure
SSP	Standard Special Provision
STLC	Soluble Threshold Limit Concentration
SWRCB	State Water Resources Control Board

TCLP	Toxicity Characteristic Leaching Procedure
Torrent	Torrent Laboratory, Inc.
TTLC	Total Threshold Limit Concentration
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
TPH-mo	total petroleum hydrocarbons as motor oil
TTLC	Total Threshold Limit Concentration
VOCs	volatile organic compounds
UCL	upper confidence limit
URS	URS Corporation
USA	Underground Service Alert
USCS	Unified Soil Classification System
USEPA	U.S. Environmental Protection Agency
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
WET	Waste Extraction Test

1.1 PROJECT INTRODUCTION

URS Corporation (URS) conducted two environmental investigations along an approximately 12-mile-long section of the Interstate 680 (I-680) northbound and southbound highway corridor from just north of the I-580/I-680 interchange in Alameda County to north of the Rudgear Road Interchange in Contra Costa County (Site)(Figure 1). The initial investigation was conducted from May 12 through May 30, 2014 with a combined geotechnical and environmental investigation. Shallow soil and groundwater samples were collected for environmental investigation purposes. The second investigation was conducted from September 22 through 23, 2014 at 10 planned maintenance vehicle pullouts (MVP) and consisted of collection of shallow soils for environmental analysis only.

1.2 PROJECT DESCRIPTION

The work was performed for the California Department of Transportation (Caltrans). Caltrans is planning to convert the existing high-occupancy vehicle (HOV) lanes along this portion of I-680 to express lanes in both northbound and southbound directions. Improvements for the express lane conversions include new signage, tolling gantries, lighting, electric and fiber optic infrastructure, maintenance vehicle pullouts, and a new center median concrete barrier.

URS conducted the initial investigation of the soil where the foundations for the signs, tolling gantries, and lights will be placed. Environmental soil and groundwater samples were collected during this investigation. Additional shallow soil samples were collected during the second investigation at the MVP locations after their final placement was completed as part of the highway improvement design. Locations of the geotechnical/environmental borings and MVP locations are shown on Figure 2.

The objective of this environmental investigation was to evaluate soil and groundwater conditions at the Site for the upcoming construction for worker protection, for on- or off-site soil reuse and/or off-site disposal, and for evaluation of reuse of construction dewatering water or potential treatment for discharge to local surface water or to the local sanitary sewer.

The following sections of this report provide details of the investigation scope of work, soil and groundwater analytical results, soil characterization, quality assurance/quality control (QA/QC), and conclusions and recommendations.

1.3 PROJECT DOCUMENT REVIEW

URS reviewed the following documents to evaluate the potential for construction along the I-680 corridor to encounter aerially deposited lead (ADL) in soil. ADL was a by-product of past automotive use of leaded gasoline and is typically found in surface soils along roadways when leaded gasoline was used. Lead in gasoline was gradually phased out in the United States starting in 1985.

- Initial Site Assessment – Interstate 680 Segment 2 Auxiliary Lanes Project, Danville and San Ramon, Contra Costa County, California (GeoCon, July 26, 2011).
    - This is from milepost marker 4.18 to 6.76, approximately 2.5 miles. This report included references to a 2002 Parikh ISA checklist that recommended sampling and analysis for ADL.

  - The ISA concluded that ADL may be present.
- Geotechnical Design & Materials Report, Route 680 Auxiliary Lane Project – Segment 2, Contra Costa County, California (Parikh Consultants, Inc. for Mark Thomas & Company, Inc., 2012).
  - This report does not discuss hazardous materials except to refer to the project Environmental Study Report.
- Asbestos and Lead-Containing Paint Survey Report (GeoCon Consultants for Mark Thomas & Company, Inc., 2012).
  - This report states that no asbestos was found in the samples tested. It also states that no paint was observed during the site visit; any paint found during construction should be assumed to contain lead.

URS concluded that ADL was likely present along the I-680 corridor in the past. Due to the extensive roadway work along the I-680 corridor, most if not all ADL soil was likely used on-site in accordance with the Caltrans/DTSC ADL Variance (Variance) in place when the work was conducted or disposed of off-site in accordance with applicable soil reuse/disposal regulations.

1.4 CALTRANS DE-MINIMIS TRENCHING

URS contacted Mr. Ray Boyer of Caltrans about the excess trenching spoils that will be generated from the installation of the electrical cabling for the electrical signs, tolling stations, etc., as part of this project. URS engineers calculated that approximately 83 cubic yards of excess soil will be generated over the 12 miles of the project's conduit installation after placement of the conduits and backfilling the trenches with some of the originally excavated soil. Mr. Boyer agreed and provided URS with DTSC's Area of Contamination policy that will allow the contractor to reuse the soil on the Caltrans right of way (ROW). A copy of this policy is provided in Appendix A.

The scope of services for the investigation activities authorized by Caltrans is detailed in the following sections:

2.1 PRE-FIELD ACTIVITIES

URS conducted the following activities prior to sampling both the geotechnical/environmental borings and the MVP locations.

- Prepared a work plan for the soil and groundwater investigation activities.
- Retained the services of Torrent Laboratory, Inc. of Milpitas, California (Torrent), a California-certified analytical laboratory, to perform the chemical analyses of soil and groundwater samples.
- Retained the services of the drilling contractors; Exploration Geoservices, Inc. of San Jose, California for the combined geotechnical/environmental investigation and Gregg Drilling and Testing, Inc. (Gregg) of Martinez, California, for the MVP location investigation for boring advancement and sampling.
- Retained the services of Calsafety, Inc. for traffic control during the field work. Calsafety produced a traffic control plan specific to each sampling event.
- Provided a minimum of 48-hours' notice to local public utilities via Underground Service Alert (USA).
- Retained the services of Cruz Brothers Locators, Inc. to perform an underground utility sweep for possible sub-surface lines not marked by USA.
- Created and updated a site-specific Health and Safety Plan (HASP).
- Obtained well and boring permits where necessary.
- Obtained Caltrans encroachment permit.

2.2 INVESTIGATION FIELD ACTIVITIES

The first field investigation was performed in conjunction with the geotechnical borings on May 12 through May 30, 2014. Work was conducted between the hours of 9:00 and 15:00 in accordance with the Caltrans encroachment permit. The following activities were performed:

- A morning tailgate meeting was conducted before the start of the field work with all on-site URS personnel and subcontractors present to discuss site hazards, conduct job safety analyses, and perform equipment inspections.
- Exploration Geoservices advanced 28 borings to 30 feet (ft) below ground surface (bgs), and three borings were advanced to 40 ft bgs (A-14-029, -030, and -031) using a hollow-stem auger drilling rig and modified California two-inch sampler techniques for the collection of samples for lithologic logging and chemical analyses. The locations of each boring are shown on Figure 2.
- Soil samples were collected from 10 ft, 20 ft, and 30 ft bgs for analysis of total petroleum hydrocarbons (TPH) as diesel (TPH-d) and motor oil (TPH-mo), both with silica gel clean up (sg), by U.S. Environmental Protection Agency (USEPA) Method 8015B(M); TPH as

gasoline (TPH-g) and volatile organic compounds (VOCs) by USEPA Method 8260B; and Title 22 metals by USEPA Method 6010B/7471A.

- Groundwater, when encountered, was sampled for analysis of TPH-d(sg), and TPH-mo(sg), by USEPA Method 8015B(M); TPH-g and VOCs by USEPA Method 8260B; and Title 22 metals by USEPA Method 6010B/7471A. Groundwater samples were collected from nine borings (A-14-004, -008, -011A, -012, -012A, -013, -025, -029, and -031).
- Site-specific labels were placed on the sample containers which were then packed on ice, and transported by courier to Torrent for analysis under proper URS chain-of-custody documentation.
- During all subsurface operations, the breathing zone of the field crew working at the Site was monitored for VOCs with a photoionization detector (PID).

The second investigation was performed on September 22 through September 25, 2014. The following activities were performed.

- A morning tailgate meeting was conducted before the start of the field work with all on-site URS personnel and subcontractors present to discuss site hazards, conduct job safety analyses, and perform equipment inspections.
- Gregg Drilling advanced three borings to a depth of 2 feet bgs at each of the 10 MVP locations (MVP-1 through MVP-10) using a hand auger for the collection of soil samples for chemical analyses. The boring locations are shown on the attached Figure 2.
- Soil samples were collected for analysis in six inch increments over the 2 feet of each boring depth, according to the Caltrans approved URS Sampling Plan attached as Appendix B. Site-specific labels were placed on the sample containers which were then packed on ice and transported to Torrent for analysis under proper URS chain-of-custody documentation.
- The samples were analyzed for TPH-g, TPH-d(sg), and TPH-mo(sg) by USEPA Method 8015B(M) or 8260B; VOCs by USEPA Method 8260B; and Title 22 metals by USEPA Method 6010B/7471A. Samples which exceeded leachability thresholds for metals were extracted with the California Waste Extraction Test (WET) and/or Toxicity Characteristic Leaching Procedure (TCLP) with subsequent extract analyzed for the relevant metals.

3.1 SAMPLING PROCEDURES

Initial Investigation - A hollow-stem auger drilling rig, operated by Exploration Geoservices, was used to advance the geological/environmental borings. All boring locations were cleared by a private utility locator prior to any drilling. Soil intervals intended for laboratory analysis were collected by driving a modified California two-inch diameter sampler lined with a metal sleeve. The ends of the collected sleeves were covered with a Teflon® sheet and sealed with plastic end caps. All soil samples were labeled with site-specific unique labels, placed on ice and transported daily by courier to Torrent under URS chain-of-custody documentation (Appendix C).

During drilling operations, a URS field geologist logged the soil lithology. The following information was recorded on each boring log: boring number and location; drilling method; date and time; depth; and lithological descriptions in general accordance with the Unified Soil Classification System (USCS), including soil type, consistency/density, color, and moisture content. Boring logs are provided in the URS I-680 geotechnical report (URS 2014).

Groundwater samples were collected from nine soil boring locations (Table 1). All water samples were collected in clean, laboratory-supplied sample bottles with the appropriate preservative, labeled, placed into a cooler with ice, and transported by courier to Torrent under URS chain-of-custody documentation. All groundwater samples for dissolved metals analysis were filtered with a 0.45-micron filter by the lab, before analysis.

Following completion of drilling and sampling activities, all soil borings were backfilled with neat cement grout plus five percent bentonite from total depth to ground surface with a tremie pipe. All boring backfilling activities located in Contra Costa County were observed by the Contra Costa County grout inspector. All boring backfilling activities located in Alameda County were verbally approved by the Alameda County inspector to be conducted without inspection.

Waste consisting of soil cuttings, purged groundwater, and decontamination water was stored on-Site in a roll-off bin. The accumulated waste was sampled and sent to Torrent for analysis for waste characterization purposes. Laboratory results indicated that the waste was non-hazardous, and was suitable for disposal as non-hazardous class II soil.

Second Investigation – A hand auger operated by Gregg Drilling personnel was used to advance three borings to 2 ft bgs at each of the 10 MVP locations. Soil samples were collected for analysis according to the approved URS sampling plan (Appendix B) in clean 8-ounce glass jars that were provided by the analytical laboratory. All soil samples were labeled with site-specific unique labels, placed on ice, and transported daily to Torrent under URS chain-of-custody documentation.

No groundwater samples were collected during this sampling effort, as the borings were too shallow to encounter groundwater.

No lithologic logging was conducted during this sampling effort.

No investigation derived waste was generated as part of this MVP location sampling effort. Any soil that was not sent to the lab was placed back into the boreholes. The boreholes were filled to the surface with a mixture of cement and bentonite. Decontamination water was used to mix the

cement and bentonite mixture. The borings were too shallow to require grout inspection by Contra Costa County. None of the second investigation borings were in Alameda County.

3.2 LABORATORY ANALYSES

A complete set of the project's analytical results, including the chain-of-custody forms, is presented in electronic form in Appendix C for both investigations.

3.2.1 Soil Laboratory Analysis

Initial Sampling Event - Soil samples collected from the same boring location were composited by the lab, and the composite samples were analyzed for the following:

- TPH-d(sg) and TPH-mo(sg) by USEPA Method 8015B(M),
- TPH-g and VOCs by USEPA Method 8260B, and
- Title 22 metals by USEPA Method 6010B and mercury by USEPA Method 7471A.

Second Sampling Event- Individual soil samples were collected from three borings at each MVP location. The soil samples were analyzed for the following according to the URS approved sampling plan:

- TPH-d(sg) and TPH-mo(sg) by USEPA Method 8015B(M),
- TPH-g and VOCs by USEPA Method 8260B,
- Title 22 metals by USEPA Method 6010B and mercury by USEPA Method 7471A,
- pH by USEPA Method SW9045C, and
- Percent moisture by USEPA Method D2216.

3.2.2 Groundwater Laboratory Analysis

Initial Sampling Event - The nine groundwater samples collected for dissolved metals were filtered by the laboratory with a 0.45-micron filter and analyzed for Title 22 metals by USEPA Method 6010B and mercury by USEPA Method 7471A.

The following analytes were analyzed on unfiltered water samples.

- TPH-d(sg) and TPH-mo(sg) by USEPA Method 8015B(M).
- TPH-g and VOCs by USEPA Method 8260B.

The analytical results were compared to the following screening levels in order to evaluate soil and groundwater conditions at the Site for the upcoming construction for worker protection and for soil reuse and disposal. Actions required at the various screening levels are described as needed.

4.1 RWQCB ENVIRONMENTAL SCREENING LEVELS

The San Francisco Regional Water Quality Control Board (RWQCB) 2013 Environmental Screening Levels (ESL) values provide a variety of health-protective screening concentrations, which, if exceeded, indicate a potential health threat that may warrant further evaluation. The results of the two investigations were compared to the following ESLs.

- Maximum detected concentrations of Title 22 metals, TPH-g, TPH-d, TPH-mo, and VOCs from the initial sampling event soil analytical results were compared with Table A-1 of the RWQCB 2013 ESL, for shallow soils (less than 3 meters bgs), for residential land uses where groundwater is a potential source of drinking water.
- Maximum detected concentrations of Title 22 metals, TPH-g, TPH-d, TPH-mo, and VOCs from the second sampling event soil analytical results were compared to Table A-2 of the RWQCB 2013 ESLs, for shallow soils (less than 3 meters bgs), for commercial/industrial land uses where groundwater is a potential source of drinking water.
- Maximum detected concentrations of Title 22 metals, TPH-g, TPH-d, and TPH-mo, and VOCs from the groundwater analytical results were compared to Table F-1b of the RWQCB 2013 ESL, for groundwater, for groundwater screening levels where groundwater is not a current or potential drinking water resource.

4.2 HAZARDOUS WASTE DETERMINATION CRITERIA

The total concentrations of prescribed elements or compounds are regulated as hazardous waste in California if they exceed the Total Threshold Limit Concentration (TTLC) criteria, which can be found in Title 22 of the California Code of Regulations (CCR). Leachable elements or compounds are also regulated in California based on the Soluble Threshold Limit Concentration (STLC) criteria, which can also be found at Title 22 CCR. Soils that exceed the TCLP criteria are a Federal hazardous waste under the Resource Conservation and Recovery Act (RCRA) regulation, also found at Title 22 CCR.

Soil leachability tests were run iteratively using WET analysis, followed by the TCLP test. Soil samples with analytes on the STLC list with total metals concentrations equal to or greater than 10 times the STLC criterion were extracted with the WET leachability tests and the extracts analyzed for those metals. Soil samples with analytes on the TCLP list with total metals concentrations equal to or greater than 20 times the TCLP criterion were extracted with the TCLP test and the extract analyzed for those metals.

Soils that are classified as non-hazardous waste can be used within Caltrans ROW, as needed. In cases where soil containing ADL below hazardous waste criteria (1,000 mg/kg TTLC, 5 mg/L STLC, and/or 5 mg/L TCLP) levels is found, a lead compliance plan must be issued (Standard Special Provision (SSP) 7-1.02K(6)(j)(iii), Caltrans).

During excavation of areas containing soils with ADL above hazardous waste criteria levels, a perimeter air monitoring system must be used. Soil from depths where the STLC criteria for soluble lead has been exceeded must be stockpiled, resampled, managed, profiled, and disposed of in accordance with Caltrans requirements. See Caltrans' SSP 14-11.03 Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead for details regarding perimeter air monitoring set up and monitoring requirements, and soil handling details of the variance are presented in section 4.3. Alternatively, the analytical data presented in this report may be used to manage the soil.

A copy of Caltrans' Lead Compliance Plan and Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead is presented in Appendix D.

Soils that exceed the TTLC and/or the STLC criteria can be re-used on-site in accordance with the guidelines of the variance, and if taken off-site must be managed, transported, and disposed of as a California hazardous waste. California hazardous waste that does not exceed TCLP RCRA criteria can be disposed of in a California class I landfill as hazardous waste, as per Caltrans policy (Appendix D). Soils that exceed TCLP RCRA criteria must be managed, transported, and disposed of off-site as RCRA hazardous waste.

4.3 DTSC/CALTRANS LEAD IN SOIL VARIANCE

The California Department of Toxic Substances Control (DTSC) issued a statewide variance effective July 1, 2009 through July 1, 2014, for the management of ADL-impacted soils within Caltrans ROW. An extension was issued on June 26, 2014 that validates the soil variance until December 31, 2014 (Appendix E). Soil that is classified as a non-RCRA (California) hazardous waste, based on ADL content, may be suitable for reuse within a Caltrans ROW under the conditions as described in the variance.

4.4 NATURALLY OCCURING ASBESTOS

URS reviewed geologic maps to evaluate the potential for naturally occurring asbestos (NOA) within the soils of the study area. NOA can be contained in soils and rocks containing serpentinite. Based on the local geologic maps (Geologic Map of the Dublin Quadrangle, Contra Costa & Alameda Counties, California, T.W. Dibblee Jr., 2005 and Geologic Map of the Diablo Quadrangle, Contra Costa & Alameda Counties, California, T.W. Dibblee Jr., 2005), there was no mapped naturally-occurring serpentinite containing rock within the study area. Therefore NOA is not expected to be found in the project Area.

As defined in current California Air Resources Board (CARB) rules, serpentine material refers to any material that contains at least 10% serpentine, and asbestos-containing serpentine refers to serpentine materials with an asbestos content greater than 5% as determined by CARB Test Method 435 (CARB 435). The use of serpentine material for road surfacing is prohibited in California by Title 17 CCR Section 93106, Asbestos Airborne Toxic Control Measure (ATCM) for Surfacing Application (ATCM 93106), unless the material has been tested and determined to have an asbestos content of less than 0.25%. Materials found to contain asbestos of 0.25% or more are considered to be designated waste if transported offsite, requiring disposal at a landfill facility designated to accept asbestos waste. Alternatively, asbestos-containing materials (0.25% or more asbestos) may be reused onsite if buried beneath a minimum 6 inches of soil.

The CARB specifies mitigation practices for construction, grading, quarrying, and surface mining operations that contain natural occurrences of asbestos, as outlined in Title 17, Section 93105, Asbestos ATCM for Construction, Grading, Quarrying, and Surface Mining Operations (ATCM 93105). Based on Part (e) Subpart (2) of ATCM 93105, an asbestos dust mitigation plan is required and must be implemented for a project if NOA is disturbed after the start of construction. Also, ATCM 93105 specifies that the Air Pollution Control District (APCD) must be notified and an asbestos dust mitigation plan submitted to the APCD. The ATCM states that air monitoring may be required on the property.

The construction/maintenance activities could disturb NOA-laden debris and soil, if present, thereby potentially creating an airborne health hazard. If any NOA is discovered during project activities, mitigation practices can reduce the risk of exposure to airborne NOA containing dust. Dust suppression practices include: wetting the materials being disturbed, use of dust palliatives, and wearing approved respirators with high-efficiency particulate air (HEPA) filters during construction activities.

A summary of the subsurface conditions, screening levels, and analytical results is presented in the following sections. Analyte concentrations detected in soil and groundwater are summarized in Tables 1 through 8. The complete soil and groundwater analytical data reports are provided in electronic format in Appendix C.

5.1 SUBSURFACE CONDITIONS

Observations during field activities indicate that surface and sub-surface soil at the project location generally consists of sand and clay matrices. Silts and gravels were observed dispersed throughout the borings (see geotechnical boring logs in the URS I-680 geotechnical report (URS 2014)). Groundwater, when encountered at the time of drilling, was found at depths ranging from 16 ft bgs to 37 ft bgs.

The borings at the MVP locations consisted of sand and clay matrices overlain by gravel. A highly fractured and friable material, inconsistent with the sand and clay seen at other MVP locations, was encountered at MVP-10 at approximately 1 ft bgs.

5.2 SOIL SAMPLE RESULTS

The laboratory analytical results for the initial sampling event soil samples are summarized in Tables 1 through 3. The second sampling event's analytical results are presented in Tables 4 through 8. The results of the analyses are discussed below.

5.2.1 Title 22 Metals

The soil samples submitted for metals analysis includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. In the samples analyzed, one or more of the following metals were detected above the laboratory reporting limit: arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, thallium, vanadium and zinc.

Initial Sampling Event - Of the 33 soil samples analyzed for metals, 26 samples had arsenic concentrations greater than the Table A-1 ESL for residential land use, but when compared to the background level value given in "The Urbanized San Francisco Bay Region" by Duverge (2011) of 11 mg/kg, all but one (A14-027 Comp at 20 mg/kg) were at or below local background ranges of arsenic in soil. When compared to all other samples, sample A14-027 Comp is believed to be an isolated detection and not representative of Site soils.

Thallium was detected in 10 of the 33 soil samples at concentrations ranging from 12 mg/kg to 19 mg/kg, which exceeds both the residential (0.78 mg/kg) and commercial (10.0 mg/kg) ESLs for shallow soil. Both the Residential and Commercial ESLs are based on human health non-cancer direct contact. URS reviewed several publicly available literature sources for thallium concentrations in soils with the following results.

- Mean of thallium concentrations in soil in California - 15.7 mg/kg (Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, University of California, March 1996).

- 99th percentile of thallium concentrations at the Lawrence Berkeley Laboratory - 10 mg/kg, results highly variable (Analysis of Background Distributions of Metals in the Soil, Lawrence Berkeley National Laboratory, June 2002).

- Average thallium concentration in soils in the United States - 9.4 mg/kg (Element Concentrations in Soils and Other Surficial Materials in the Conterminous United States. US Geological Service, 1984).

URS concludes that the concentrations of thallium found along the I-680 highway corridor are within background concentration ranges.

These arsenic and thallium concentrations above ESL may result in restricted usage of soils. Contractors may refer to Caltrans Naturally Occurring Metals policy 11-11.11A (Appendix F).

The concentrations of all other detected metals were below the respective value from Table A-1 ESL for residential land use. The analytical results for metals are summarized in Table 1.

Second Sampling Event - Of the 20 soil samples analyzed for all Title 22 metals, all 20 samples had arsenic concentrations greater than the Table A-2 ESL for commercial/industrial land use, but when compared to the background level values, all were below local background ranges of arsenic in soil (11 mg/kg). The concentrations of all other detected metals were below the respective value from Table A-2 ESL for commercial/industrial land use, with the exception of two samples for lead (MVP-6A at 1.0-1.5 feet bgs and MVP-10B at 0-0.5 feet bgs). The analytical results for metals are summarized in Table 4.

Of the 90 soil samples analyzed for lead, 21 soil samples had concentrations that required STLC only or STLC and TCLP extraction and extract analysis performed. The resulting leachates were analyzed for soluble lead. Nine samples exceeded the California hazardous waste STLC limit of 5 mg/L. None of the samples extracted with TCLP and analyzed had concentrations that exceeded the TCLP criteria for soluble lead. The analytical results for metal leachability are summarized in Table 8.

5.2.2 TPH-g, TPG-d, and TPH-mo

Initial Sampling Event - TPH-g was not detected at or above the laboratory reporting limit in any of the soil samples analyzed, except for one sample (A14-027 Comp at 120 mg/kg). The concentration of this sample is above the Table A-1 Residential ESL of 100 mg/kg. TPH-d(sg) was detected in 11 samples at concentrations ranging from 2.2 mg/kg (A-14-014 Comp) to 170 mg/kg (A14-027 Comp). One sample (A14-027 Comp) had a concentration greater than the Table A-1 Residential ESL of 100 mg/kg. TPH-mo(sg) was detected in three samples at concentrations ranging from 20 mg/kg (A14-028 Comp) to 80 mg/kg (A-14-027 Comp). None of the TPH-mo(sg) samples had concentrations greater than the Table A-1 Residential ESL of 100 mg/kg. The analytical results for TPH are summarized in Table 2.

Second Sampling Event -TPH-g was not detected at or above the laboratory reporting limit in any of the soil samples analyzed, except for one sample (MVP6-6C-1.5-2.0) at a concentration of 0.120 mg/kg. This is significantly lower than the Table A-2 commercial/industrial ESL of 500 mg/kg. TPH-d(sg) was detected in 16 samples ranging from 2.3 mg/kg (MVP1-1A-1.5-2.0, MVP4-4C-1.0-1.5, and MVP10-10A-0.0-0.5) to 7.3 mg/kg (MVP3-3A-1.5-2.0). TPH-mo(sg)

was detected in 30 samples at concentrations ranging from 12 mg/kg (MVP6-6A-1.5-2.0, MVP9-9A-1.5-2.0, and MVP10-10A-1.5-2.0) to 400 mg/kg (MVP8-8A-0.0-0.5). None of the TPH-d(sg) and TPH-mo(sg) detections exceeded the Table A-2 Commercial/Industrial ESL of 110 mg/kg and 500 mg/kg, respectively. The analytical results for TPH are summarized in Table 5.

5.2.3 VOCs

Initial Sampling Event - VOCs were not detected in any of the soil samples at or above the laboratory reporting limits, with the exception of the detection of naphthalene in sample A14-027 Comp (56 micrograms per kilogram [µg/kg]), which did not exceed the Table A-1 Residential ESL of 1,200 mg/kg. The analytical results for VOCs are summarized in Table 3.

Second Sampling Event - VOCs were not detected in any of the soil samples at or above their respective laboratory reporting limits. The analytical results for VOCs are summarized in Table 6.

5.3 GROUNDWATER SAMPLE RESULTS

The laboratory analytical results for the groundwater samples are presented in Tables 1 through 3. The results of the analyses are discussed below. No groundwater samples were collected during the second sampling event.

5.3.1 Title 22 Metals

Initial Sampling Event - Antimony, barium, chromium, mercury, molybdenum, nickel, selenium, vanadium, and/or zinc were detected above the laboratory reporting limits in at least one or more of the nine groundwater samples analyzed. Barium was detected above the laboratory reporting limit in all nine groundwater samples.

Metal concentrations did not exceeded their respective Table F-1B ESL, with the exception of the following. Mercury was detected above its ESL of 0.000025 mg/L in sample A-14-012 (0.0002 mg/L). Nickel was detected above its ESL of 0.0082 mg/L in samples A14-008 (0.018 mg/L), A-14-029 (0.021 mg/L), and A14-031 (0.011 mg/L). Selenium was detected above its ESL of 0.0050 mg/L in sample A14-031 (0.020 mg/L). Vanadium was detected above its ESL of 0.0190 mg/L in sample A14-008 (0.023 mg/L). These detected concentrations are well below the next lowest ESL value (gross contamination/ceiling value) of 50 mg/L on table F-1B and are likely to be considered background concentrations. The groundwater sample analytical results for Title 22 metals are presented in Table 1.

5.3.2 TPH-g, TPH-d, and TPH-mo

TPH-g was detected above the laboratory reporting limit in three groundwater samples ranging from 0.045 milligram per liter (mg/L) (A-14-025) to 0.1 mg/L (A-14-013). All detections were below the Table F-1b ESL value of 5.0 mg/L for TPH-g. TPH-d(sg) and TPH-mo(sg) were not detected at or above the laboratory reporting limits in the groundwater samples collected. The reporting limits for TPH-d(sg) and TPH-mo(sg) were well below their respective Table F-1b ESL of 6.4 mg/L. The laboratory analytical results for TPH-g, TPH-d(sg), and TPH-mo(sg) are summarized in Table 2.

5.3.3 VOCs

VOCs were not detected at or above the laboratory reporting limits in any of the nine groundwater samples analyzed with the exception of sample A-14-013. Vinyl chloride, trans-1,2-dichloroethene, and cis-1,2-dichloroethene were detected at 2.0 micrograms per liter (µg/L), 6.3 µg/L, and 61 µg/L, respectively. The detected concentrations for trans-1,2-dichloroethene and cis-1,2-dichloroethene were below their respective Table F-1b ESLs of 590 µg/L where groundwater is not a current source or potential drinking water source. The detected concentration for vinyl chloride was above its respective ESL of 1.8 µg/L. The analytical laboratory results for VOCs in groundwater are summarized in Table 3.

5.4 LABORATORY QUALITY ASSURANCE / QUALITY CONTROL

Torrent's certified analytical reports were subjected to a QA/QC review and data validation by URS. The soil and groundwater analytical data from May 12 through May 30, 2014 and September 22 through 23, 2014 for the I-680 Soil and Groundwater Investigation were reviewed according to the *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (EPA 2008) and *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (EPA 2010).

Based on the data quality evaluation, no systematic problems were detected and the overall data objectives for sample contamination, precision, accuracy, and sample integrity were met. It was concluded that these analytical data are of acceptable quality and may be used for their intended purposes, with the qualifications noted.

A more detailed discussion of the QA/QC analytical data is included in Appendix G**.**

5.5 STATISTICAL ANALYSIS FOR MVP LOCATIONS FOR SOLUBLE LEAD

URS evaluated the leachable lead results statistically and developed an Upper Confidence Limit (UCL) for leachable lead for each of the MVP locations (2, 3, 6, 8, and 10) with high leachable lead concentrations that exceeded the CA hazardous waste STLC criterion**.**

A simple linear least-square regression was developed using one independent variable (X variable [lead wet weight]) to estimate the dependent variable (Y variable [lead STLC]). The regression utilized the set of soil samples from the site with both lead wet weight and lead STLC results available and attempted to find a mathematical relationship or correlation between them.

A best-fit regression line was represented by the follow linear equation:

$$y = mx + b$$

where y = dependent variable (lead STLC concentration)

m = slope of the regression line

x = independent variable (lead wet weight concentration)

b = y-intercept of the regression line

The R-squared (R^2) and root mean square error (RMSE) of the regression were also calculated. R^2 is a measure of how good the fit is in explaining the variation in the data (i.e. how well the line estimates the real data) and can range from 0 to 1. Numbers closer to 1 mean that the model

is better in explaining data variation of the dependent variable. The RMSE is a measure of how precise the prediction could be, and a small RMSE value (relative to the dependent variable) indicates less uncertainty associated with the regression estimates.

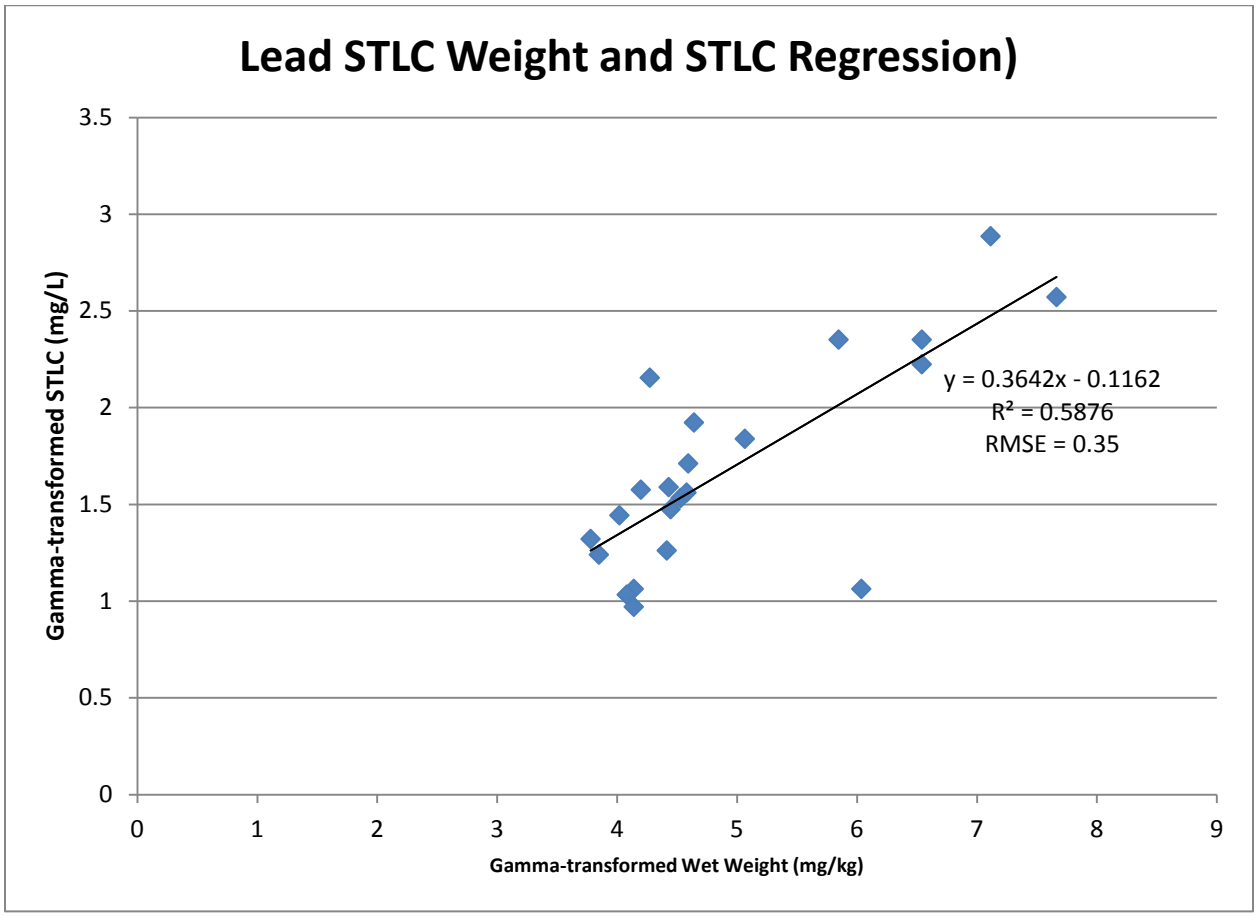
For reliable and meaningful statistics, distribution (shape) of the data needs to be taken into consideration. The above regression assumes that data follows a normal distribution. Environmental data sets are often positively skewed. To reduce the skewness and thus satisfy the assumption for linear regression, the data may be "transformed" such that the transformed value may follow a normal distribution. Distribution for lead wet weight results was determined to be non-parametric, and lead STLC results were assessed to follow a gamma distribution. Data for wet weight and STLC were therefore gamma-transformed by Wilson-Hilferty (WH) approximation equation (Singh et al. 2013b):

$$y = x^{1/3}$$

where y = gamma-transformed value

x = concentration value in original scale

The regression plot based on gamma-transformed values and the associated statistics are shown below:



Since both lead wet weight and lead STLC concentrations were not normally distributed, the gamma-transformed values were used in this regression analysis (for both variables). The regression fit appeared to be good between (gamma-transformed) lead wet weight and lead STLC soil concentrations (R^2 = 0.5876 and RMSE = 0.35). Predicted concentrations of STLC were calculated for samples that had only wet weight analysis (but without STLC analysis) using the aforementioned regression equation (y = 0.3642x – 0.1162). Because this regression equation is based on transformed data, the predicted values need to be back-transformed to the original scale. Samples that had STLC analysis from the laboratory did not require this regression estimation, and the actual STLC results were used directly in the subsequent UCL calculation. All STLC values used in the UCL calculation are presented in Table 9.

Calculation of 95 Percent Upper Confidence Limit – The 95 percent (%) upper confidence limit (UCL) for lead STLC was calculated by each location. For the STLC data set, a combination of laboratory reported values and regression estimated values were used. The 95 % UCL represents an upper-bound estimate of the mean concentration of an analyte in a particular medium. In other words, if many (different) sets of soil samples were collected and the mean was calculated for each set, about 95 percent of these "means" would be below the 95 % UCL.

USEPA's most recent ProUCL software program (Version 5.0.00; 2013) was used to calculate the 95 % UCL concentration. This software reflects the latest USEPA guidance (2002; Singh et al. 2013b) for the recommendation of the use of a 95 % UCL concentration, based on data distribution, data skewness, and sample size. The UCLs for each MVP location are presented in Table 10.

The ProUCL Technical Guide (Singh et al. 2013b) notes that often, the bootstrap-*t* and Hall's bootstrap methods (two non-parametric methods that account for data skewedness) can result in "erratic, inflated, and unstable UCL values". The erratic behavior is likely indicated when the UCL results from these two methods are much higher than other UCL calculations or the maximum detected concentration. In these situations, ProUCL recommends using the Chebyshev UCL method.

For location MVP-3, ProUCL recommended using the 95% Hall's bootstrap UCL which calculated a UCL of 12.27 mg/L for lead, which exceeds the maximum observed concentration. The maximum reported value was 5.0 mg/L. ProUCL provides additional recommendations when the suggested result exceeds the maximum observation. The recommended method was to use either the 97.5% or the 99% Chebyshev (mean, Sd) UCL. Both the 97.5 % and 99% UCL still exceed the maximum observed value of 5.0 mg/L. As per directions from Caltrans, the 95% Chebyshev UCL, that was calculated to be 3.973 mg/L, was selected. The ProUCL's outputs can be found in Appendix H.

95% Upper Confidence Limit (UCL) For Data Sets Without Non-Detects – Data distribution of detected values and skewness play an important role in selecting the appropriate 95% UCL. If the processed data were determined to be normally distributed, the 95% UCL was calculated as follows (USEPA 2002):

$$UCL = \bar{x} + t_{\alpha,n-1}\frac{s_x}{\sqrt{n}}$$

where $\bar{x}$ = sample mean

t = the Student's *t* value at α significance level, with *n*-1 degree of freedom

$\alpha = 0.05$ (one-tailed)

n = sample size

s_x = sample standard deviation

Otherwise, if the processed data were determined to follow a gamma or lognormal distribution, or if a non-parametric assumption was used, the 95% UCL was determined based on the recommendation from the ProUCL software, which took into account of sample size and data skewness and ensuring adequate coverage of 95% UCL (Singh et al. 2013b). The ProUCL software provides an appropriate recommendation of which UCL calculation method to be used.

The detail statistical steps of various UCL calculation methods are documented in the ProUCL software technical guide (Singh et al. 2013b). A summary of recommended UCL calculation methods for data sets without non-detect is provided in Section 18.1 of the ProUCL user guide (Singh et al. 2013a).

MVP-6, MVP-8, and MVP-10 are classified as California Hazardous Waste for soluble lead based off of the UCL results exceeding the 5.0 mg/L waste criteria for lead. The soil is not federal hazardous RCRA waste. With a total area of 780 square feet each, and a depth of 2 feet, this would result in 1,560 ft^3 of soil for each of the three MVP locations with California hazardous waste. MVP-6 was removed from the proposed MVP locations by the design team following the sampling and analysis effort reported herein. Only MVP-8 and MVP-10 will be considered in the conclusion section.

URS has reviewed the analytical results from the Site soil and groundwater investigation. In summary, the results show no significant concentrations of sampled analytes. The analytical results are discussed in more detail below.

6.1 METALS IN SOIL AND GROUNDWATER

Initial Sampling Event - The metal concentrations detected are representative of background conditions, based on the range of the concentrations of metals detected in all of the Site samples. All detected concentrations of arsenic in surface soils were greater than the Table A-1 ESL for residential land use (0.39 mg/kg). All of these values were at or below the background level of 11 mg/kg with the exception of one location (A14-027 Comp at 20 mg/kg). When compared to all other samples, this is believed to be an isolated detection that is not representative of Site soils. No metals concentrations exceeded the TTLC, therefore the soils are not California hazardous wastes for total metals. No metals concentrations exceeded their thresholds for extraction by the California Waste Extraction Test or the Toxicity Characteristic Leaching Procedure with subsequent leachate analysis. The soils are not RCRA or California hazardous waste for total or leachable metals.

Metals concentrations in groundwater appear to be indicative of background concentrations. A few metals were detected at concentrations greater than their respective ESL screening levels, however these detections were well below the respective gross contamination/ceiling value for contractor exposure.

Second Sampling Event - Samples from all locations, with the exception of MVP-6 and MVP-10, contained concentrations of lead below the Table A-2 ESL for commercial/industrial land use (320 mg/kg). None of the samples exceeded the TTLC criteria for California hazardous waste (1,000 mg/kg). Thirteen samples exceeded the threshold for extraction with the WET only, and eight samples exceeded the threshold for extraction with the TCLP and subsequent analysis of the extracts.

Nine of the samples that underwent the WET extraction procedure resulted in concentrations that were either at (MVP-3A) or exceeded the STLC criterion for soluble lead for California Hazardous Waste (5 mg/L). None of the eight TCLP extractions exceeded the RCRA federal hazardous waste criterion for soluble lead of 5.0 mg/L.

The UCL results indicate that soil from MVP-6, MVP-8, and MVP-10 are classified as California Hazardous Waste for soluble lead. The soil is not federal hazardous waste RCRA criterion. MVP-6 was removed from the project by the design team after the sampling and data review. Therefore soils from MVP-8 and MVP-10 only are addressed in this report. A total of 1,560 ft^3 of California Hazardous Waste is expected to be produced from each of these two MVP locations, for a total of 3,120 ft^3 for the project.

6.2 TPH IN SOIL AND GROUNDWATER

Initial Sampling Event – The majority of soil samples did not contain detectable levels of TPH-g, TPH-d(sg) or TPH-mo(sg). When detected, soil samples had low-level concentrations of TPH-g, TPH-d(sg), and TPH-mo(sg) that were below their respective ESLs for a residential site with the exception of the TPH-g (120 mg/kg) and TPH-d(sg) (170 /mg/kg) in A14-027 Comp. TPH-mo(sg) in that sample, while below the ESL, had a concentration of 80 mg/kg.

The samples from three of the nine locations where groundwater samples were collected and analyzed had low levels of TPH-g concentrations (A-14-12A at 0.046 mg/L, A-14-013 at 0.10 mg/L, and A-14-025 at 0.045 mg/L). The TPH-g concentrations detected did not exceed the ESL regulatory criteria of 0.50 mg/L. TPH-d(sg) or TPH–mo(sg) was not detected in any of the groundwater samples analyzed.

Second Sampling Event - The MVP locations had no detections of TPH-g, and only low-level concentrations of TPH-d(sg) and TPH-mo(sg). None of the soil sample concentrations exceeded their respective TPH ESLs, and no groundwater was collected or analyzed because these soil borings were shallow (less than 2 feet bgs) and did not encounter groundwater.

6.3 VOCS IN SOIL AND GROUNDWATER

Initial Sampling Event - All soil VOC concentrations were below their laboratory reporting limits with the exception of naphthalene from A14-027 Comp (56 µg/kg, which is well below the RWQCB Table A-1 ESL of 1,200 µg/kg).

Groundwater from boring A-14-013 had low concentrations of vinyl chloride, trans-1,2-dichloroethene, and cis-1,2-dichloroethene (2.0 µg/L, 6.3 µg/L, and 61 µg/L, respectively). All other VOCs in groundwater were below the laboratory reporting limits. Of these detections only vinyl chloride, at 2.0 µg/L, was found to exceed the ESL of 1.8 µg/L. The trans-1,2- dichloroethene and cis-1,2-dichloroethene detections were well below the ESLs of 590 µg/L.

Second Sampling Event - All VOC concentrations were below their laboratory reporting limits for the soil samples analyzed for VOCs. No groundwater samples were collected during the second sampling event because the soil borings were shallow (less than 2 feet bgs) and did not encounter groundwater.

6.4 CONCLUSIONS

6.4.1 Soil

Initial Sampling Event - Geotechnical/Environmental locations: Site soils collected and analyzed during the combined geotechnical and environmental investigation contained low concentrations of TPH and metals but would not restrict the reuse of the soil on-site. These Site soils are not federal or State of California hazardous waste. Site workers do not need Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour training to work with Site soils in the immediate location where the tests were conducted as concentrations in the samples analyzed did not exceed the California or Federal hazardous waste criteria. If the concentrations did not exceed the ESLs and/or background concentrations the soil can be used off-site as unrestricted fill.

Second Sampling Event - Maintenance Vehicle Pullout locations: Site soils collected and analyzed during the second sampling event contain low concentrations of TPH, and elevated concentrations of lead above background concentrations. None of the soils exceeded the California TTLC hazardous waste criteria for total metals.

Three of the MVP locations (MVP-6, MVP-8, and MVP-10) exceeded the California hazardous waste criteria for leachable lead based on WET extraction and leachate analysis, based on a 95%

UCL. These soils must meet all the conditions described in Appendix E when being transported, disposed, stored, or repurposed. All the soil can be used as fill provided that the lead-contaminated soils are placed a minimum of five feet above the maximum historic water table elevation and protected from infiltration by a pavement structure which will be maintained by Caltrans. Alternatively, if these soils cannot be reused on the I-680 Freeway ROW, they must be disposed of off-site as California hazardous waste for soluble lead.

If stained or odiferous soils are encountered during constructions, such soils should be stockpiled on plastic sheeting on-site, sampled, analyzed, and characterized for on-site reuse or off-site disposal.

6.4.2 Groundwater

Site groundwater was tested at nine locations during the initial investigation. The Site groundwater, based on these samples, is suitable, as is, to use for dust control measures on-site. If groundwater is to be collected and discharged, all groundwater should be placed in settling tanks in order to remove sediments. Water samples should be tested for metals and for any other permit required analyses prior to any discharge.

Groundwater could be suitable, based on testing results, for discharge to the local storm drain with the appropriate monitoring under the California General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (General Permit), State Water Resources Control Board Order No. R2-201200060, NPDES No. CA912004, if construction dewatering is undertaken.

Alternately, the water could be suitable, determined by the testing results, to be discharged to the local, publically-owned treatment works sewer system with a temporary permit, based on the acceptance criteria from the intended local treatment works sewer system. This discharge would also be subject to monitoring and reporting requirements.

This report was prepared for Caltrans; any use by third parties is at the third parties' sole risk. No investigation is thorough enough to explore the presence of hazardous material at every location on the Site. It is assumed that the samples collected and analyzed in accordance with the agreed scope of work are representative of conditions at the Site at the time of the planned construction. If soil or groundwater conditions are observed that differ from those in this report, URS Corporation should be notified so that additional recommendations can be made.

It would be extremely expensive, and perhaps impossible, to conduct a Site reconnaissance or investigation that would ensure detection of all materials at the subject property that might be considered hazardous now or in the future. The fact that URS did not discover hazardous materials through a reasonable and mutually agreed-upon limited scope of work does not guarantee that hazardous materials do not exist in an area. Similarly, an area that is unaffected by hazardous materials at the time of our assessment may later, due to natural phenomena or human intervention, become contaminated.

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TABLES

Table 1
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
Title 22 Metals in Soil and Groundwater Analytical Results

Sample ID	Sample Date	Antimony	Arsenic[3]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
EPA Method		6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
Soil																		
TTLC Limit		500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
RWQCB ESL[1] (mg/Kg)		20	0.39	750	4	12	0	23	230	80	6.7	40	150	10	20	0.78	200	600
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
A14-001 Comp	5/28/2014	<5.0	**6.4**	**110**	<2.0	<1.0	**23**	**5.1**	**9.8**	**4.7**	<0.50	<5.0	**25**	<5.0	<1.0	**13**	**19**	**27**
A14-002 Comp	5/28/2014	<5.0	**8.8**	**150**	<2.0	<1.0	**35**	**7.9**	**18**	**5.9**	<0.50	<5.0	**34**	<5.0	<1.0	**12**	**30**	**35**
A14-003 Comp	5/28/2014	<5.0	**9.7**	**96**	<2.0	<1.0	**23**	**5.9**	**7.4**	**5.2**	<0.50	<5.0	**22**	<5.0	<1.0	**16**	**21**	**27**
A14-004 Comp	5/28/2014	<5.0	**6.5**	**75**	<2.0	<1.0	**21**	**5.2**	**8**	**4.5**	<0.50	<5.0	**25**	<5.0	<1.0	**12**	**18**	**24**
A-14-005 Comp	5/13/2014	<5.0	<1.7	**120**	<2.0	<1.0	**16**	<5.0	**20**	**3.6**	<0.50	<5.0	**22**	<5.0	<1.0	<0.75	**13**	**43**
A-14-006 Comp	5/15/2014	<5.0	<1.7	**160**	<2.0	<1.0	**33**	**9.0**	**13**	**5.2**	<0.50	<5.0	**36**	<5.0	<1.0	<0.75	**29**	**28**
A-14-007 Comp	5/14/2014	<5.0	<1.7	**160**	<2.0	<1.0	**31**	**7.5**	**15**	**7.1**	<0.50	<5.0	**35**	<5.0	<1.0	<0.75	**23**	**31**
A14-008 Comp	5/28/2014	<5.0	**8.8**	**170**	<2.0	<1.0	**35**	**7.9**	**16**	**5.0**	<0.50	<5.0	**44**	<5.0	<1.0	**19**	**29**	**34**
A-14-009 Comp	5/14/2014	<5.0	<1.7	**160**	<2.0	<1.0	**38**	**10**	**19**	**5.1**	<0.50	<5.0	**52**	<5.0	<1.0	<0.75	**35**	**34**
A14-010 Comp	5/29/2014	<5.0	**11**	**100**	<2.0	<1.0	**21**	<5.0	**6.8**	**4.7**	<0.50	<5.0	**17**	<5.0	<1.0	**21**	**21**	**25**
A-14-011 Comp	5/14/2014	<5.0	<1.7	**150**	<2.0	<1.0	**35**	**5.3**	**10**	**4.7**	<0.50	<5.0	**27**	<5.0	<1.0	<0.75	**27**	**25**
A-14-011A 8.5'-10'	5/13/2014	<5.0	<1.7	**140**	<2.0	<1.0	**42**	**7.4**	**17**	**4.8**	<0.50	<5.0	**43**	<5.0	<1.0	<0.75	**29**	**39**
A-14-012 8.5'-10'	5/13/2014	<5.0	**5.6**	**140**	<2.0	<1.0	**34**	**8.9**	**17**	**5.5**	<0.50	<5.0	**43**	<5.0	<1.0	<0.75	**37**	**36**
A-14-012A 8.5'-10'	5/13/2014	<5.0	**2.4**	**160**	<2.0	<1.0	**42**	**9.3**	**18**	**6.0**	<0.50	<5.0	**47**	<5.0	<1.0	<0.75	**34**	**42**
A-14-013-10'	5/13/2014	<5.0	**2.3**	**140**	<2.0	<1.0	**37**	**8.9**	**16**	**5.7**	<0.50	<5.0	**48**	<5.0	<1.0	<0.75	**31**	**40**
A-14-014 Comp	5/13/2014	<5.0	**2.4**	**43**	<2.0	<1.0	**19**	<5.0	<5.0	**4.3**	<0.50	<5.0	**17**	<5.0	<1.0	<0.75	**16**	**26**
A-14-015 Comp	5/13/2014	<5.0	<1.7	**110**	<2.0	**1.5**	**19**	**6.0**	**10**	**5.5**	<0.50	<5.0	**15**	<5.0	<1.0	<0.75	**37**	**35**
A14-016 Comp	5/19/2014	<5.0	**4.3**	**97**	<2.0	<1.0	**20**	**7.6**	**16**	**6.2**	<0.50	<5.0	**23**	<5.0	<1.0	<0.75	**31**	**37**
A14-017 Comp	5/20/2014	<5.0	**5.2**	**120**	<2.0	<1.0	**17**	**7.3**	**15**	**6.3**	<0.50	<5.0	**19**	<5.0	<1.0	<0.75	**32**	**38**
A14-018 Comp	5/20/2014	<5.0	**4.5**	**100**	<2.0	<1.0	**13**	**5.8**	**13**	**5.0**	<0.50	<5.0	**14**	<5.0	<1.0	<0.75	**27**	**32**
A14-019 Comp	5/20/2014	<5.0	**3.1**	**90**	<2.0	<1.0	**17**	**7.9**	**18**	**6.2**	<0.50	<5.0	**18**	<5.0	<1.0	<0.75	**36**	**41**
A14-020 Comp	5/28/2014	<5.0	**3.4**	**110**	<2.0	<1.0	**17**	**8.5**	**18**	**6.5**	<0.50	<5.0	**19**	<5.0	<1.0	<0.75	**30**	**41**
A14-021 Comp	5/21/2014	<5.0	**4.4**	**200**	<2.0	<1.0	**18**	**7.4**	**16**	**5.6**	<0.50	<5.0	**19**	<5.0	<1.0	<0.75	**32**	**36**
A14-022 Comp	5/21/2014	<5.0	**4.1**	**110**	<2.0	<1.0	**13**	**8.0**	**11**	**4.9**	<0.50	<5.0	**16**	<5.0	<1.0	<0.75	**32**	**35**
A14-023 Comp	5/22/2014	<5.0	**4.7**	**110**	<2.0	<1.0	**16**	**7.3**	**13**	**6.0**	<0.50	<5.0	**15**	<5.0	<1.0	<0.75	**30**	**32**
A14-024 Comp	5/21/2014	<5.0	**5.6**	**100**	<2.0	<1.0	**18**	**7.5**	**17**	**6.1**	<0.50	<5.0	**19**	<5.0	<1.0	<0.75	**26**	**39**
A14-025 Comp	5/22/2014	<5.0	**7.3**	**140**	<2.0	<1.0	**15**	**7.3**	**12**	**6.1**	<0.50	<5.0	**29**	<5.0	<1.0	<0.75	**24**	**34**
A14-026 Comp	5/21/2014	<5.0	**6.4**	**160**	<2.0	<1.0	**21**	**8.7**	**21**	**7.2**	<0.50	<5.0	**23**	<5.0	<1.0	<0.75	**33**	**43**
A14-027 Comp	5/29/2014	<5.0	**20**	**74**	<2.0	<1.0	**19**	**5.3**	**35**	**9.6**	<0.50	<5.0	**13**	<5.0	<1.0	**14**	**17**	**35**
A14-028 Comp	5/30/2014	<5.0	**7.5**	**58**	<2.0	<1.0	**11**	<5.0	**7.4**	**7.0**	<0.50	<5.0	**11**	<5.0	<1.0	**18**	**20**	**23**
A14-029 Comp	5/23/2014	<5.0	**3.8**	**100**	<2.0	<1.0	**18**	<5.0	**9.3**	**4.8**	<0.50	<5.0	**19**	<5.0	<1.0	<0.75	**24**	**31**
A14-030 Comp	5/30/2014	<5.0	**10**	**64**	<2.0	<1.0	**17**	**7.8**	**14**	**4.9**	<0.50	<5.0	**23**	<5.0	<1.0	**21**	**24**	**31**
A14-031 Comp	5/29/2014	<5.0	**6.3**	**210**	<2.0	<1.0	**20**	<5.0	**10**	**5.0**	<0.50	<5.0	**21**	<5.0	<1.0	**13**	**22**	**25**

Table 1
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
Title 22 Metals in Soil and Groundwater Analytical Results

Sample ID	Sample Date	Antimony	Arsenic[3]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
EPA Method		6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
Groundwater																		
RWQCB ESL[2] (mg/L)		0.030	0.036	1.0	0.00053	0.00025	0.18	0.0030	0.0031	0.0025	0.000025	0.24	0.0082	0.0050	0.00019	0.0040	0.0190	0.0810
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
A14-004	5/28/2014	**0.011** U	<0.009	**0.12**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	**0.020**	<0.009	<0.02	<0.005	<0.009	<0.009	**0.0140**
A14-008	5/28/2014	<0.009	<0.009	**0.45**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	<0.009	**0.018**	<0.02	<0.005	<0.009	**0.023**	**0.0270**
A-14-011A	5/13/2014	<0.009	<0.009	**0.22**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	<0.009	<0.009	<0.02	<0.005	<0.009	<0.009	**0.0099**
A-14-012	5/13/2014	<0.009	<0.009	**0.15**	<0.005	<0.005	**0.0081**	<0.005	<0.009	<0.014	**0.0002**	**0.016**	<0.009	<0.02	<0.005	<0.009	<0.009	**0.026**
A-14-012A	5/13/2014	<0.009	<0.009	**0.35**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	**0.01**	<0.009	<0.02	<0.005	<0.009	<0.009	**0.013**
A-14-013	5/13/2014	<0.009	<0.009	**0.67**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	**0.018**	<0.009	<0.02	<0.005	<0.009	<0.009	**0.011**
A-14-025	5/22/2014	<0.009	<0.009	**0.51**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002 UJ	<0.009	<0.009	<0.02	<0.005	<0.009	<0.009	<0.009
A-14-029	5/23/2014	<0.009	<0.009	**0.064**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	**0.013**	**0.021**	<0.02	<0.005	<0.009	**0.017**	**0.0095**
A14-031	5/28/2014	<0.009	<0.009	**0.064**	<0.005	<0.005	<0.005	<0.005	<0.009	<0.014	<0.0002	**0.010**	**0.011**	**0.020**	<0.005	<0.009	**0.016**	**0.0097**

Notes:

Bolded values indicate detections over the laboratory reporting limits

1 Table A-1. Shallow Soil Screening Levels (≤3m bgs) Residential Land Use (groundwater is a current or potential drinking water resource)

2 Table F-1b.Groundwater Screening Levels (groundwater is not a current or potential drinking water resource)

3 Arsenic concentrations are at background levels

indicates values which have exceeded the respective ESL

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: miligram per kilogram

mg/L: milligram per Liter

TTLC: Total Threshold Limit Concentration

U = A "U" qualifier indicates that the analyte was detected between the reported sample quantitation limit (i.e., the laboratory reporting limit) and the method detection limit, however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

UJ = A "UJ" qualifier indicates that the analyte was not detected above the reported sample quantitation limit (i.e., the laboratory reporting limit), however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 2
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
Total Petroleum Hydrocarbons in Soil and Groundwater Analytical Results

Sample ID	**Sample Date**	**TPH-G**	**TPH-D**	**TPH-MO**
EPA Method		8015B	8015B	8015B
Soil				
RWQCB ESL[1] (mg/Kg)		100	100	100
Units		mg/Kg	mg/Kg	mg/Kg
A14-001 Comp	5/28/2014	<0.1	**2.8**	<10
A14-002 Comp	5/28/2014	<0.1	**4.6**	<10
A14-003 Comp	5/28/2014	<0.1	**4.7**	<10
A14-004 Comp	5/28/2014	<0.1	**4.2**	<10
A-14-005 Comp	5/13/2014	<0.1	<2.0	<10
A-14-006 Comp	5/15/2014	<0.1	<2.0	<10
A-14-007 Comp	5/14/2014	<0.1	<2.0	<10
A14-008 Comp	5/28/2014	<0.1	**5.3**	<10
A-14-009 Comp	5/14/2014	<0.1	<2.0	<10
A14-010 Comp	5/29/2014	<0.1	**3.2**	<10
A-14-011 Comp	5/14/2014	<0.1	<2.0	<10
A-14-011A 8.5'-10'	5/13/2014	<0.1	<2.0	<10
A-14-012 8.5'-10'	5/13/2014	<0.1	<2.0	<10
A-14-012A 8.5'-10'	5/13/2014	<0.1	<2.0	<10
A-14-013-10'	5/13/2014	<0.1	<2.0	<10
A-14-014 Comp	5/13/2014	<0.1	**2.2**	**41**
A-14-015 Comp	5/13/2014	<0.1	<2.0	<10
A14-016 Comp	5/19/2014	<0.1	<2.0	<10
A14-017 Comp	5/20/2014	<0.1	<2.0	<10
A14-018 Comp	5/20/2014	<0.1	<2.0	<10
A14-019 Comp	5/20/2014	<0.1	<2.0	<10
A14-020 Comp	5/28/2014	<0.1	<2.0	<10
A14-021 Comp	5/21/2014	<0.1	<2.0	<10
A14-022 Comp	5/21/2014	<0.1	<2.0	<10
A14-023 Comp	5/22/2014	<0.1	<2.0	<10
A14-024 Comp	5/21/2014	<0.1	<2.0	<10
A14-025 Comp	5/22/2014	<0.1	<2.0	<10
A14-026 Comp	5/21/2014	<0.1	<2.0	<10
A14-027 Comp	5/29/2014	**120**	**170**	**80**
A14-028 Comp	5/30/2014	<0.1	**7.1**	**20 U**
A14-029 Comp	5/23/2014	<0.1	<2.0	<10
A14-030 Comp	5/30/2014	<0.1	**3.6**	<10
A14-031 Comp	5/29/2014	<0.1	**3.8**	<10

Table 2
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
Total Petroleum Hydrocarbons in Soil and Groundwater Analytical Results

Sample ID	Sample Date	TPH-G	TPH-D	TPH-MO
EPA Method		8015B	8015B	8015B
Groundwater				
RWQCB ESL[2] (mg/L)		0.50	0.64	0.64
Units		mg/L	mg/L	mg/L
A-14-004	5/28/2014	<0.044	<0.10	<0.40
A-14-008	5/28/2014	<0.050	<0.10	<0.40
A-14-011A	5/13/2014	<0.050	<0.17	<0.66
A-14-012	5/13/2014	<0.081	<0.25	<1.0
A-14-012A	5/13/2014	**0.046**	<0.15	<0.61
A-14-013	5/13/2014	**0.10**	<0.13	<0.50
A-14-025	5/22/2014	**0.045**	<0.10	<0.40
A-14-029	5/23/2014	<0.056	<0.10	<0.40
A-14-031	5/28/2014	<0.046	<0.10	<0.40

Notes:

Bolded values indicate detections over the laboratory reporting limits or method detection limits

1 Table A-1. Shallow Soil Screening Levels (≤ 3m bgs) Residential Land Use (groundwater is a current or potential drinking water resource)

2 Table F-1b.Groundwater Screening Levels (groundwater is not a current or potential drinking water resource)

indicates values which have exceeded the respective ESL

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: milligram per kilogram

mg/L: milligram per Liter

TPH: Total Petroleum Hydrocarbons

TPH-D: TPH as diesel

TPH-G: TPH as gasoline

TPH-mo: TPH as motor oil

U = A "U" qualifier indicates that the analyte was detected between the reported sample quantitation limit (i.e., the laboratory reporting limit) and the method detection limit, however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 3
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
VOCs in Soil and Groundwater Analytical Results

Sample ID	Sample Date	Dichlorodifluoromethane	Chloromethane	Vinyl Chloride	Bromomethane	Trichlorofluoromethane	1,1-Dichloroethene	Freon 113	Methylene Chloride	trans-1,2-Dichloroethene	MTBE	tert-Butanol	Diisopropyl ether (DIPE)	1,1-Dichloroethane	ETBE	cis-1,2-Dichloroethene	2,2-Dichloropropane	Bromochloromethane	Chloroform	Carbon Tetrachloride	1,1,1-Trichloroethane	1,1-Dichloropropene	Benzene	TAME	1,2-Dichloroethane	Trichloroethylene	Dibromomethane	1,2-Dichloropropane	Bromodichloromethane	cis-1,3-Dichloropropene	Toluene	Tetrachloroethylene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Dibromochloromethane	1,3-Dichloropropane
EPA Method		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Soil																																				
RWQCB ESL[1] (µg/Kg)		NA	24,000	32	350	NA	1,000	NA	77	670	23	75	NA	200	NA	190	NA	NA	1,100	110	7,800	NA	44	NA	4.5	NA	NA	120	480	NA	2,900	NA	NA	70	7600	59
Units		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
A14-001 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-002 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-003 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-004 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-005 Comp	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-006 Comp	5/15/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-007 Comp	5/14/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-008 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-009 Comp	5/14/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-010 Comp	5/29/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-011 Comp	5/14/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-011A 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-012 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-012A 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-013-10'	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-014 Comp	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-015 Comp	5/13/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-016 Comp	5/19/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-017 Comp	5/20/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-018 Comp	5/20/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-019 Comp	5/20/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-020 Comp	5/28/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-021 Comp	5/21/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-022 Comp	5/21/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-023 Comp	5/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-024 Comp	5/21/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-025 Comp	5/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-026 Comp	5/21/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-027 Comp	5/29/2014	<22	<23	<13	<23	<14	<7.7	<19	<9.9	<5.6	<13	<100	<11	<6.4	<12	<8.8	<6.2	<11	<6.1	<8.1	<6.1	<7.2	<7.5	<10	<9.5	<19	<11	<6.5	<5.6	<7.1	<4.9	<9.0	<5.8	<9.1	<5.6	<10
A14-028 Comp	5/30/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-029 Comp	5/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-030 Comp	5/30/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-031 Comp	5/29/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Groundwater																																				
RWQCB ESL[2] (µg/L)		NA	1,100	1.8	160	NA	25	NA	2,200	590	1,800	18,000	NA	47	NA	590	NA	NA	170	4.8	62	NA	27	NA	100	130	NA	100	1,100	NA	130	63	NA	940	1,100	NA
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
A14-004	5/28/2014	<0.25	<0.22	<0.22	<0.25	<0.26	<0.21	<0.27	<0.32	<0.27	<0.24	<2.2	<0.18	<0.18	<0.24	<0.27	<0.22	<0.29	<0.18	<0.21	<0.14	<0.21	<0.18	<0.24	<0.20	<0.18	<0.21	<0.24	<0.18	<0.13	<0.20	<0.20	<0.32	<0.20	<0.13	<0.14
A14-008	5/28/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
A-14-011A	5/28/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
A-14-012	5/28/2014	<0.29	<0.26	<0.25	<0.29	<0.30	<0.25	<0.31	<0.37	<0.31	<0.28	<2.5	<0.21	<0.21	<0.28	<0.31	<0.25	<0.33	<0.21	<0.25	<0.16	<0.25	<0.21	<0.28	<0.23	<0.21	<0.24	<0.28	<0.21	<0.16	<0.23	<0.23	<0.37	<0.23	<0.16	<0.17
A-14-012A	5/28/2014	<0.22	<0.20	<0.19	<0.23	<0.23	<0.19	<0.24	<0.28	<0.24	<0.21	<1.9	<0.16	<0.16	<0.22	<0.24	<0.19	<0.25	<0.16	<0.19	<0.12	<0.19	<0.16	<0.22	<0.18	<0.16	<0.18	<0.22	<0.16	<0.12	<0.18	<0.18	<0.28	<0.18	<0.12	<0.13
A-14-013	5/28/2014	<0.56	<0.56	**2.0**	<0.56	<0.56	<0.56	<0.56	<5.6	**6.3**	<0.56	<5.6	<0.56	<0.56	<0.56	**61**	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
A-14-025	5/28/2014	<0.21	<0.19	<0.18	<0.21	<0.21	<0.18	<0.23	<0.27	<0.23	<0.20	<1.8	<0.15	<0.15	<0.20	<0.23	<0.18	<0.24	<0.15	<0.18	<0.11	<0.18	<0.15	<0.20	<0.17	<0.15	<0.17	<0.20	<0.15	<0.11	<0.17	<0.17	<0.26	<0.17	<0.11	<0.12
A-14-029	5/28/2014	<0.20	<0.18	<0.17	<0.20	<0.20	<0.17	<0.21	<0.26	<0.21	<0.19	<1.7	<0.14	<0.14	<0.19	<0.21	<0.17	<0.23	<0.14	<0.17	<0.11	<0.17	<0.14	<0.19	<0.16	<0.14	<0.16	<0.19	<0.14	<0.11	<0.16	<0.16	<0.25	<0.16	<0.11	<0.11
A14-031	5/28/2014	<0.23	<0.21	<0.21	<0.24	<0.24	<0.20	<0.25	<0.30	<0.25	<0.23	<2.0	<0.17	<0.17	<0.23	<0.25	<0.20	<0.27	<0.17	<0.20	<0.13	<0.20	<0.17	<0.23	<0.19	<0.17	<0.19	<0.23	<0.17	<0.13	<0.19	<0.19	<0.30	<0.19	<0.13	<0.13

Table 3
I-680 Express Lanes
Pleasanton to San Ramon, Ca
Geotechnical Borings
VOCs in Soil and Groundwater Analytical Results

Sample ID	Sample Date	1,2-Dibromoethane	Ethyl Benzene	Chlorobenzene	1,1,1,2-Tetrachloroethane	m,p-Xylene	o-Xylene	Styrene	Bromoform	Isopropyl Benzene	n-Propylbenzene	Bromobenzene	1,1,2,2-Tetrachloroethane	1,3,5-Trimethylbenzene	1,2,3-Trichloropropane	4-Chlorotoluene	2-Chlorotoluene	tert-Butylbenzene	1,2,4-Trimethylbenzene	sec-Butyl Benzene	p-Isopropyltoluene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-Chloropropane	Hexachlorobutadiene	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene
EPA Method		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Soil																														
RWQCB ESL[1] (µg/Kg)		0.33	3,300	1,500	9.1	NA	NA	1,500	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,400	590	NA	1,100	4.5	NA	NA	1,200	NA
Units		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
A14-001 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-002 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-003 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-004 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-005 Comp	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-006 Comp	5/15/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-007 Comp	5/14/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-008 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-009 Comp	5/14/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-010 Comp	5/29/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-011 Comp	5/14/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-011A 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-012 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-012A 8.5'-10'	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-013-10'	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-014 Comp	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A-14-015 Comp	5/13/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-016 Comp	5/19/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-017 Comp	5/20/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-018 Comp	5/20/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-019 Comp	5/20/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-020 Comp	5/28/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-021 Comp	5/21/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-022 Comp	5/21/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-023 Comp	5/22/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-024 Comp	5/21/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-025 Comp	5/22/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-026 Comp	5/21/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-027 Comp	5/29/2014	<8.7	<4.3	<21	<4.3	<9.3	<3.3	<3.8	<9.5	<6.2	<7.1	<5.9	<15	<5.6	<17	<7.9	<7.9	<7.2	<5.4	<8.2	<7.3	<9.0	<7.5	<11	<6.6	<21	<13	<11	**56**	<14
A14-028 Comp	5/30/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-029 Comp	5/23/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-030 Comp	5/30/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
A14-031 Comp	5/29/2014	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Groundwater																														
RWQCB ESL[2] (µg/L)		77	43	25	930	NA	NA	100	1,100	NA	NA	NA	240	NA	NA	NA	NA	NA	NA	NA	NA	65	15	NA	14	0.20	NA	NA	24	NA
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
A14-004	5/28/2014	<0.27	<0.20	<0.21	<0.13	<0.19	<0.21	<0.29	<0.29	<0.14	<0.21	<0.15	<0.11	<0.11	<0.10	<0.12	<0.11	<0.20	<0.12	<0.13	<0.13	<0.15	<0.096	<0.11	<0.080	<0.22	<0.27	<0.17	<0.19	<0.33
A14-008	5/28/2014	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
A-14-011A	5/28/2014	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
A-14-012	5/28/2014	<0.31	<0.23	<0.25	<0.16	<0.22	<0.25	<0.34	<0.34	<0.16	<0.25	<0.17	<0.13	<0.12	<0.12	<0.14	<0.13	<0.23	<0.13	<0.15	<0.15	<0.17	<0.11	<0.13	<0.093	<0.25	<0.32	<0.20	<0.22	<0.38
A-14-012A	5/28/2014	<0.24	<0.18	<0.19	<0.12	<0.17	<0.19	<0.26	<0.26	<0.12	<0.19	<0.13	<0.096	<0.094	<0.092	<0.11	<0.10	<0.17	<0.10	<0.11	<0.12	<0.13	<0.085	<0.10	<0.071	<0.19	<0.24	<0.15	<0.17	<0.29
A-14-013	5/28/2014	<0.56	<0.56	<0.56	<0.56	<1.1	<0.56	<0.56	<1.1	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<1.1	<0.56
A-14-025	5/28/2014	<0.23	<0.17	<0.18	<0.11	<0.16	<0.18	<0.25	<0.25	<0.11	<0.18	<0.13	<0.091	<0.089	<0.087	<0.10	<0.095	<0.16	<0.097	<0.11	<0.11	<0.12	<0.081	<0.095	<0.067	<0.18	<0.23	<0.14	<0.16	<0.27
A-14-029	5/28/2014	<0.21	<0.16	<0.17	<0.11	<0.15	<0.17	<0.23	<0.23	<0.11	<0.17	<0.12	<0.086	<0.084	<0.082	<0.098	<0.090	<0.16	<0.092	<0.10	<0.10	<0.12	<0.076	<0.090	<0.063	<0.17	<0.22	<0.13	<0.15	<0.26
A14-031	5/28/2014	<0.25	<0.19	<0.20	<0.13	<0.18	<0.20	<0.28	<0.28	<0.13	<0.20	<0.14	<0.10	<0.099	<0.097	<0.12	<0.11	<0.18	<0.11	<0.12	<0.12	<0.14	<0.090	<0.11	<0.075	<0.20	<0.26	<0.16	<0.18	<0.30

Notes:

Bolded values indicate detections over the laboratory reporting limits

1 Table A-1. Shallow Soil Screening Levels (≤3m bgs) Residential Land Use (groundwater is a current or potential drinking water resource)

2 Table F-1b.Groundwater Screening Levels (groundwater is not a current or potential drinking water resource)

indicates values which have exceeded the respective ESL

Abbreviations:

EPA: US Environmental Protection Agency

µg/Kg: microgram per kilogram

µg/L: microgram per Liter

NA: Not Available

Table 4
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Title 22 Metals in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Antimony	Arsenic[2]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium[2]	Vanadium	Zinc
EPA Method				6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
TTLC Limit				500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
RWQCB ESL[1] (mg/Kg)				40	1.6	1,500	8.0	12	2,500	80	230	320	10	40	150	10	40	10	200	600
Units				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MVP1	1A	0.0-0.5	9/23/2014	< 5.0	**5.3**	**140**	< 2.0	< 1.0	**26**	**7.6**	**20**	**42**	< 0.50	< 5.0	**33**	< 5.0	< 1.0	< 7.5	**30**	**65**
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**8.3**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**7.5**	--	--	--	--	--	--	--	--
	1B	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**88**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**29**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**7.8**	--	--	--	--	--	--	--	--
	1C	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**74**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**5.8**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/1014	< 5.0	**3.5**	**170**	< 2.0	< 1.0	**41**	**9.5**	**18**	**7.7**	< 0.50	< 5.0	**43**	< 5.0	< 1.0	< 7.5	**38**	**41**
MVP2	2A	0.0-0.5	9/23/2014	< 5.0	**3.9**	**130**	< 2.0	< 1.0	**33**	**8.3**	**30**	**130**	< 0.50	< 5.0	**40**	< 5.0	< 1.0	< 7.5	**29**	**67**
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**27**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**11**	--	--	--	--	--	--	--	--
	2B	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**33**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**11**	--	--	--	--	--	--	--	--
	2C	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**71**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**6.5**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	< 5.0	**3.5**	**160**	< 2.0	<1.0	**41**	**14**	**17**	**6.0**	< 0.50	< 5.0	**58**	< 5.0	< 1.0	< 7.5	**39**	**32**
MVP3	3A	0.0-0.5	9/23/2014	< 5.0	**3.3**	**130**	< 2.0	< 1.0	**31**	**9.3**	**56**	**97**	< 0.50	< 5.0	**38**	< 5.0	< 1.0	< 7.5	**36**	**110**
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**7.6**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**6.2**	--	--	--	--	--	--	--	--
	3B	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**27**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**7.3**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**10**	--	--	--	--	--	--	--	--
	3C	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**87**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**6.3**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	< 5.0	**2.9**	**140**	< 2.0	< 1.0	**38**	**11**	**13**	**8.4**	< 0.50	< 5.0	**40**	< 5.0	< 1.0	< 7.5	**35**	**30**
MVP4	4A	0.0-0.5	9/23/2014	< 5.0	**3.3**	**120**	< 2.0	< 1.0	**28**	**7.6**	**18**	**8.7**	< 0.50	< 5.0	**40**	< 5.0	< 1.0	< 7.5	**28**	**39**
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**7.5**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**6.1**	--	--	--	--	--	--	--	--
	4B	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**16**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**7.0**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	**10**	--	--	--	--	--	--	--	--
	4C	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	**9.0**	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	< 5.0	**3.8**	**160**	< 2.0	< 1.0	**27**	**11**	**11**	**6.8**	< 0.50	< 5.0	**29**	< 5.0	< 1.0	< 7.5	**31**	**26**

Table 4
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Title 22 Metals in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Antimony	Arsenic[2]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium[2]	Vanadium	Zinc
EPA Method				6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
TTLC Limit				500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
RWQCB ESL[1] (mg/Kg)				40	1.6	1,500	8.0	12	2,500	80	230	320	10	40	150	10	40	10	200	600
Units				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MVP5	5A	0.0-0.5	9/23/2014	< 5.0	5.4	130 J	< 2.0	< 1.0	28	7.6	19	29	< 0.50	< 5.0	33	< 5.0	< 1.0	< 7.5	29	49
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	6.5	--	--	--	--	--	--	--	--
	5B	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	34 J	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	--	--	--	--	--	--	--	--	7.4	--	--	--	--	--	--	--	--
	5C	0.0-0.5	9/23/2014	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--
		1.0-1.5	9/23/2014	--	--	--	--	--	--	--	--	6.8	--	--	--	--	--	--	--	--
		1.5-2.0	9/23/2014	< 5.0	3.6	170	< 2.0	< 1.0	35	13	14	8.9	< 0.50	< 5.0	39	< 5.0	< 1.0	< 7.5	34	37
MVP6[3]	6A	0.0-0.5	9/22/2014	< 5.0	4.1	94	< 2.0	< 1.0	18	6.5	14	44	< 0.50	< 5.0	24	< 5.0	< 1.0	< 7.5	26	61
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	360	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--
	6B	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	280	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--
	6C	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	220	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	11	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	< 5.0	4.3	91	< 2.0	< 1.0	18	6.7	27	280	< 0.50	< 5.0	24	< 5.0	< 1.0	< 7.5	24	110
MVP7	7A	0.0-0.5	9/22/2014	< 5.0	5.1	130	< 2.0	< 1.0	17	8.1	18	12	< 0.50	< 5.0	21	< 5.0	< 1.0	< 7.5	32	42
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	7.2	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	7.4	--	--	--	--	--	--	--	--
	7B	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	8.1	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	8.1	--	--	--	--	--	--	--	--
	7C	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	6.9	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	< 5.0	7.3	170	< 2.0	< 1.0	13	7.7	15	7.1	< 0.50	< 5.0	17	< 5.0	< 1.0	< 7.5	25	36
MVP8	8A	0.0-0.5	9/22/2014	< 5.0	4.7	150 J	< 2.0	< 1.0	43 J	8.2	32	78 J	< 0.50	< 5.0	44	< 5.0	< 1.0	< 7.5	39	81
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	93	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--
	8B	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	96	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	9.1	--	--	--	--	--	--	--	--
	8C	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	71	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	54	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	< 5.0	6.1	150	< 2.0	< 1.0	18	9.5	20	100	< 0.50	< 5.0	24	< 5.0	< 1.0	< 7.5	36	52

Table 4
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Pleasanton to San Ramon, Ca
MVP Locations
Title 22 Metals in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Antimony	Arsenic[2]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium[2]	Vanadium	Zinc
EPA Method				6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
TTLC Limit				500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
RWQCB ESL[1] (mg/Kg)				40	1.6	1,500	8.0	12	2,500	80	230	320	10	40	150	10	40	10	200	600
Units				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MVP9	9A	0.0-0.5	9/22/2014	< 5.0	**6.4**	**130**	< 2.0	< 1.0	**20**	**9.3**	**23**	**65**	< 0.50	< 5.0	**27**	< 5.0	< 1.0	< 7.5	**36**	**73**
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**8.6**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	**9.1**	--	--	--	--	--	--	--	--
	9B	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	**33**	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**6.6**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	**6.7**	--	--	--	--	--	--	--	--
	9C	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	**9.6**	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**10**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	< 5.0	**6.2**	**94**	< 2.0	< 1.0	**22**	**11**	**26**	**8.5**	< 0.50	< 5.0	**29**	< 5.0	< 1.0	< 7.5	**52**	**53**
MVP10	10A	0.0-0.5	9/22/2014	< 5.0	**5.6**	**120**	< 2.0	< 1.0	**18**	**8.8**	**38**	**200**	< 0.50	< 5.0	**24**	< 5.0	< 1.0	< 7.5	**24**	**95**
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**68**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	**36**	--	--	--	--	--	--	--	--
	10B	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	**450**	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**38**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	--	--	--	--	--	--	--	--	**86**	--	--	--	--	--	--	--	--
	10C	0.0-0.5	9/22/2014	--	--	--	--	--	--	--	--	**29**	--	--	--	--	--	--	--	--
		1.0-1.5	9/22/2014	--	--	--	--	--	--	--	--	**14**	--	--	--	--	--	--	--	--
		1.5-2.0	9/22/2014	< 5.0	**7.9**	**190**	< 2.0	< 1.0	**14**	**5.3**	**30**	**16**	< 0.50	< 5.0	**11**	< 5.0	< 1.0	< 7.5	**32**	**30**

Notes:

Bolded values indicate detections over the laboratory reporting limits

1 Table A-2. Shallow Soil Screening Levels (≤3m bgs) Commercial/Industrial Land Use (groundwater is a current or potential drinking water resource)

2 Arsenic and Thallium Concentrations are at background levels

3 MVP6 was removed from the project after sampling and laboratory analysis was completed.

indicates values which have exceeded the respective ESL

indicates samples which underwent the WET procedure

indicated samples which underwent the WET and TCLP procedures

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: miligram per kilogram

TTLC: Total Threshold Limit Concentration

J = A "J" qualifier indicates that the analyte was positively identified, but that the associated numerical value is an approximate concentration of the analyte in the sample.

Table 5
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Total Petroleum Hydrocarbons in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	TPH-G	TPH-D[2]	TPH-MO
EPA Method				8015B	8015B	8015B
Soil						
RWQCB ESL[1] (mg/Kg)				500	110	500
Units				mg/Kg	mg/Kg	mg/Kg
MVP1	1A	0.0-0.5	9/23/2014	--	**4.5**	**72**
		1.0-1.5	9/23/2014	< 0.100	--	--
		1.5-2.0	9/23/2014	< 0.100	**2.3**	< 10
	1C	0.0-0.5	9/23/2014	--	**4.5**	**74**
		1.0-1.5	9/23/2014	< 0.100	< 2.0	< 10
		1.5-2.0	9/23/2014	< 0.100	--	--
MVP2	2A	0.0-0.5	9/23/2014	--	**4.5**	**100**
		1.0-1.5	9/23/2014	< 0.100	--	--
		1.5-2.0	9/23/2014	< 0.100	**2.4**	**13 J**
	2C	0.0-0.5	9/23/2014	--	**2.5**	< 10
		1.0-1.5	9/23/2014	< 0.100	**3.9**	**17 J**
		1.5-2.0	9/23/2014	< 0.100	--	--
MVP3	3A	0.0-0.5	9/23/2014	< 0.100	--	--
		1.0-1.5	9/23/2014	< 0.100	--	--
		1.5-2.0	9/23/2014	< 0.100	**7.3**	**61**
	3C	0.0-0.5	9/23/2014	--	**4.4**	**160**
		1.0-1.5	9/23/2014	< 0.100	**3.0**	**17 J**
		1.5-2.0	9/23/2014	< 0.100	--	--
MVP4	4A	0.0-0.5	9/23/2014	--	**3.2**	**28**
		1.0-1.5	9/23/2014	< 0.100	--	--
		1.5-2.0	9/23/2014	< 0.100	< 2.0	< 10
	4C	0.0-0.5	9/23/2014	--	**3.5**	**52**
		1.0-1.5	9/23/2014	< 0.100	**2.3**	< 10
		1.5-2.0	9/23/2014	< 0.100	--	--
MVP5	5A	0.0-0.5	9/23/2014	--	**3.8**	**37**
		1.0-1.5	9/23/2014	< 0.100	--	--
	5C	0.0-0.5	9/23/2014	--	**3.5 J**	**98**
		1.0-1.5	9/23/2014	--	< 2.0	< 10
		1.5-2.0	9/23/2014	< 0.100	--	--
MVP6[3]	6A	0.0-0.5	9/22/2014	--	< 4.0	**100**
		1.0-1.5	9/22/2014	< 0.100	--	--
		1.5-2.0	9/22/2014	< 0.100	< 2.0	**12 J**
	6C	0.0-0.5	9/22/2014	--	< 2.0	**87**
		1.0-1.5	9/22/2014	< 0.100	< 2.0	**83**
		1.5-2.0	9/22/2014	**0.120 x**	--	--
MVP7	7A	0.0-0.5	9/22/2014	--	< 2.0	**20 J**
		1.0-1.5	9/22/2014	< 0.100	--	--
		1.5-2.0	9/22/2014	< 0.100	< 2.0	< 10
	7C	0.0-0.5	9/22/2014	--	< 2.0	**35**
		1.0-1.5	9/22/2014	< 0.100	< 2.0	< 10
		1.5-2.0	9/22/2014	< 0.100	--	--

Table 5
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Total Petroleum Hydrocarbons in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	TPH-G	TPH-D[2]	TPH-MO
EPA Method				8015B	8015B	8015B
Soil						
RWQCB ESL[1] (mg/Kg)				500	110	500
Units				mg/Kg	mg/Kg	mg/Kg
MVP8	8A	0.0-0.5	9/22/2014	--	< 10	**400**
		1.0-1.5	9/22/2014	< 0.100	--	--
		1.5-2.0	9/22/2014	< 0.100	< 2.0	**40**
	8C	0.0-0.5	9/22/2014	--	< 10	**270**
		1.0-1.5	9/22/2014	< 0.100	< 2.0	**52**
		1.5-2.0	9/22/2014	< 0.100	--	--
MVP9	9A	0.0-0.5	9/22/2014	--	< 2.0	**75**
		1.0-1.5	9/22/2014	< 0.100	--	--
		1.5-2.0	9/22/2014	< 0.100	< 2.0	**12**
	9C	0.0-0.5	9/22/2014	--	< 2.0	**24**
		1.0-1.5	9/22/2014	< 0.100	< 2.0	**21**
		1.5-2.0	9/22/2014	< 0.100	--	--
MVP10	10A	0.0-0.5	9/22/2014	--	**2.3 J**	**41**
		1.0-1.5	9/22/2014	< 0.100	--	--
		1.5-2.0	9/22/2014	< 0.100	< 2.0	**12 J**
	10C	0.0-0.5	9/22/2014	--	< 2.0	**15 J**
		1.0-1.5	9/22/2014	< 0.100	< 2.0	**14 J**
		1.5-2.0	9/22/2014	< 0.100	--	--

Notes:

Bolded values indicate detections over the laboratory reporting limits or method detection limits

1 Table A-2. Shallow Soil Screening Levels (≤ 3m bgs) Commercial/Industrial Land Use (groundwater is a current or potential drinking water resource)

2 Diesel results due to overlapping of oil range organics within diesel quantified range

3 MVP6 was removed from the project after sampling and laboratory analysis was completed.

J = A "J" qualifier indicates that the analyte was positively identified, but that the associated numerical value is an approximate concentration of the analyte in the sample.

x = An "x" qualifier indicates this compound does not match the reference gasoline standard.

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: milligram per kilogram

TPH: Total Petroleum Hydrocarbons

TPH-D: TPH as diesel

TPH-G: TPH as gasoline

TPH-mo: TPH as motor oil

Table 6
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
VOCs in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Dichlorodifluoromethane	Chloromethane	Vinyl Chloride	Bromomethane	Trichlorofluoromethane	1,1-Dichloroethene	Freon 113	Methylene Chloride	trans-1,2-Dichloroethene	MTBE	tert-Butanol	Diisopropyl ether (DIPE)	1,1-Dichloroethane	ETBE	cis-1,2-Dichloroethene	2,2-Dichloropropane	Bromochloromethane	Chloroform	Carbon Tetrachloride	1,1,1-Trichloroethane	1,1-Dichloropropene	Benzene	TAME	1,2-Dichloroethane	Trichloroethylene	Dibromomethane	1,2-Dichloropropane	Bromodichloromethane	cis-1,3-Dichloropropene	Toluene	Tetrachloroethylene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Dibromochloromethane	1,3-Dichloropropane	1,2-Dibromoethane
EPA Method				8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
RWQCB ESL[1] (µg/Kg)				NA	20,000	85	280	NA	1,000	NA	77	670	230	75	NA	200	NA	190	NA	NA	2,400	110	7,800	NA	44	NA	4.5	NA	NA	120	1500	NA	2,900	NA	NA	70	6,600	59	0
Units				µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
MVP1	1A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	1C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP2	2A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	2C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP3	3A	0.0-0.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	3C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP4	4A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	4C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP5	5A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	5C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP6[2]	6A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	6C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP7	7A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	7C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP8	8A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	8C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP9	9A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	9C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP10	10A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	10C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 6
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
VOCs in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Ethyl Benzene	Chlorobenzene	1,1,1,2-Tetrachloroethane	m,p-Xylene	o-Xylene	Styrene	Bromoform	Isopropyl Benzene	n-Propylbenzene	Bromobenzene	1,1,2,2-Tetrachloroethane	1,3,5-Trimethylbenzene	1,2,3-Trichloropropane	4-Chlorotoluene	2-Chlorotoluene	tert-Butylbenzene	1,2,4-Trimethylbenzene	sec-Butyl Benzene	p-Isopropyltoluene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-Chloropropane	Hexachlorobutadiene	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene
EPA Method				8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
RWQCB ESL[1] (µg/Kg)				3,300	1,500	9	NA	NA	1,500	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,400	590	NA	1,100	4.5	NA	NA	1,200	NA
Units				µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
MVP1	1A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	1C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP2	2A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	2C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP3	3A	0.0-0.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	3C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP4	4A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	4C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP5	5A	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	5C	1.0-1.5	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/23/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP6[2]	6A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	6C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP7	7A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	7C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP8	8A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	8C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP9	9A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	9C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MVP10	10A	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	10C	1.0-1.5	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		1.5-2.0	9/22/2014	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Notes:

Bolded values indicate detections over the laboratory reporting limits

1 Table A-2. Shallow Soil Screening Levels (≤3m bgs) Commercial/Industrial Land Use (groundwater is a current or potential drinking water resource)

2 MVP6 was removed from the project after sampling and laboratory analysis was completed.

Abbreviations:

EPA: US Environmental Protection Agency

µg/Kg: microgram per kilogram

µg/L: microgram per Liter

NA: Not Available

Table 7
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
pH and Percent Moisture in Soil Analytical Results

Sample ID		Sample Depth	pH	Percent Moisture
EPA Method			SW9045C	D2216
Units			S.U.	%
MVP1	1A	0.0-0.5	6.73	5.02
		1.0-1.5	--	8.49
		1.5-2.0	--	9.37
	1B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	1C	0.0-0.5	--	2.92
		1.0-1.5	--	16.9
		1.5-2.0	6.24	17.0
MVP2	2A	0.0-0.5	6.68	5.91
		1.0-1.5	--	9.88
		1.5-2.0	--	9.70
	2B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	2C	0.0-0.5	--	8.96
		1.0-1.5	--	8.21
		1.5-2.0	7.12	9.27
MVP3	3A	0.0-0.5	6.21	4.59
		1.0-1.5	--	9.46
		1.5-2.0	--	8.41
	3B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	3C	0.0-0.5	--	3.36
		1.0-1.5	--	8.30
		1.5-2.0	6.46	8.93
MVP4	4A	0.0-0.5	5.82	1.75
		1.5-2.0	--	9.56
	4B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	4C	0.0-0.5	--	5.56
		1.0-1.5	--	8.62
		1.5-2.0	7.39	8.88
MVP5	5A	0.0-0.5	7.24	7.72
		1.0-1.5	--	15.5
		1.5-2.0	--	17.0
	5B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	5C	0.0-0.5	--	9.68
		1.0-1.5	--	13.0
		1.5-2.0	6.78	12.6
MVP6[1]	6A	0.0-0.5	8.09	5.28
		1.0-1.5	--	7.88
		1.5-2.0	--	11.0
	6B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	6C	0.0-0.5	--	5.28
		1.0-1.5	--	10.6
		1.5-2.0	7.02	14.3

Table 7
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
pH and Percent Moisture in Soil Analytical Results

Sample ID		Sample Depth	pH	Percent Moisture
EPA Method			SW9045C	D2216
Units			S.U.	%
MVP7	7A	0.0-0.5	8.12	10.4
		1.0-1.5	--	12.2
		1.5-2.0	--	11.3
	7B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	7C	0.0-0.5	--	5.89
		1.0-1.5	--	13.0
		1.5-2.0	7.99	12.5
MVP8	8A	0.0-0.5	7.93	3.53
		1.0-1.5	--	11.1
		1.5-2.0	--	12.6
	8B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	8C	0.0-0.5	--	5.07
		1.0-1.5	--	10.2
		1.5-2.0	7.66	10.5
MVP9	9A	0.0-0.5	8.12	11.1
		1.0-1.5	--	12.8
		1.5-2.0	--	14.8
	9B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	9C	0.0-0.5	--	8.71
		1.0-1.5	--	10.6
		1.5-2.0	8.34	10.5
MVP10	10A	0.0-0.5	5.94	11.9
		1.0-1.5	--	24.0
		1.5-2.0	--	28.3
	10B	0.0-0.5	--	--
		1.0-1.5	--	--
		1.5-2.0	--	--
	10C	0.0-0.5	--	17.9
		1.0-1.5	--	31.8
		1.5-2.0	3.83	24.5

Notes:

1. MVP6 was removed from the project after sampling and laboratory analysis was completed.

Abbreviations:

EPA: US Environmental Protection Agency

S. U.: standard unit

Table 8
I-680 Project
Pleasanton to San Ramon, Ca
MVP Locations
Lead STLC and TCLP in Soil Analytical Results

Sample ID		Sample Depth	Sample Date	Lead	STLC	TCLP
EPA Method				6010B	6010B	6010B
STLC Limit (mg/L)				NA	5	NA
TCLP Limit (mg/L)				NA	NA	5
Units				mg/Kg	mg/L	mg/L
MVP1	1B	0.0-0.5	9/23/2014	**88**	**3.2**	--
	1C	0.0-0.5	9/23/2014	**74**	**3.9**	--
MVP2	2A	0.0-0.5	9/23/2014	**130**	**6.2**	< 0.10
	2C	0.0-0.5	9/23/2014	**71**	**1.2**	--
MVP3	3A	0.0-0.5	9/23/2014	**97**	**5.0**	--
	3C	0.0-0.5	9/23/2014	**87**	**4.0**	--
MVP5	5B	0.0-0.5	9/23/2014	**57**	**1.9**	--
MVP6[1]	6A	1.0-1.5	9/22/2014	**360**	**24**	**0.56**
	6B	1.0-1.5	9/22/2014	**280**	**11**	**0.12**
	6C	0.0-0.5	9/22/2014	**220**	**1.2**	< 0.10
		1.5-2.0	9/22/2014	**280**	**13**	**0.20**
MVP8	8A	0.0-0.5	9/22/2014	**78**	**10**	--
		1.0-1.5	9/22/2014	**93**	**3.6**	--
	8B	0.0-0.5	9/22/2014	**96**	**3.8**	--
	8C	0.0-0.5	9/22/2014	**71**	**0.91**	--
		1.0-1.5	9/22/2014	**54**	**2.3**	--
		1.5-2.0	9/22/2014	**100**	**7.1**	**0.13**
MVP9	9A	0.0-0.5	9/22/2014	**65**	**3.0**	--
MVP10	10A	0.0-0.5	9/22/2014	**200**	**13**	**0.19**
		1.0-1.5	9/22/2014	**68**	**1.1**	--
	10B	0.0-0.5	9/22/2014	**450**	**17**	**1.0**
		1.5-2.0	9/22/2014	**86**	**2.0**	--

Notes:

1. MVP6 was removed from the project after sampling and laboratory analysis was completed.

Bolded values indicate detections over the laboratory reporting limits

indicates values which have exceeded their respective STLC limit

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: miligram per kilogram

mg/L: milligram per Liter

NA: Not aplicable

STLC: Soluable Threshold Limit Concentration

TCLP: Toxicity Characteristic Leaching Procedure

Table 9
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Regression Curve Predicted STLC Values

Sample ID		Sample Depth	Sample Date	Total Lead	STLC	Regression Curve Predicted STLC	Actual and Predicted Final STLC
EPA Method				6010B	6010B	--	--
STLC Limit				5.0	5	5	5
TCLP Limit				5.0	NA	--	--
TTLC Limit				1000	--	--	--
RWQCB ESL[1] (mg/Kg)				80	--	--	--
Units				mg/Kg	mg/L	mg/L	mg/L
MVP1	1A	0.0-0.5	9/23/2014	**42.0**	--	**1.5**	**1.5**
		1.0-1.5	9/23/2014	**8.3**	--	**0.24**	**0.24**
		1.5-2.0	9/23/2014	**7.5**	--	**0.21**	**0.21**
	1B	0.0-0.5	9/23/2014	**88**	**3.2**	--	**3.2**
		1.0-1.5	9/23/2014	**29**	--	**1.0**	**1.0**
		1.5-2.0	9/23/2014	**7.8**	--	**0.22**	**0.22**
	1C	0.0-0.5	9/23/2014	**74**	**3.9**	--	**3.9**
		1.0-1.5	9/23/2014	**5.8**	--	**0.16**	**0.16**
		1.5-2.0	9/23/2014	**7.7**	--	**0.22**	**0.22**
MVP2	2A	0.0-0.5	9/23/2014	**130**	**6.2**	--	**6.2**
		1.0-1.5	9/23/2014	**27**	--	**0.93**	**0.93**
		1.5-2.0	9/23/2014	**11**	--	**0.33**	**0.33**
	2B	0.0-0.5	9/23/2014	**36**	--	**1.3**	**1.3**
		1.0-1.5	9/23/2014	**33**	--	**1.2**	**1.2**
		1.5-2.0	9/23/2014	**11**	--	**0.33**	**0.33**
	2C	0.0-0.5	9/23/2014	**71**	**1.2**	--	**1.2**
		1.0-1.5	9/23/2014	**6.5**	--	**0.18**	**0.18**
		1.5-2.0	9/23/2014	**6.0**	--	**0.16**	**0.16**
MVP3	3A	0.0-0.5	9/23/2014	**97**	**5.0**	--	**5.0**
		1.0-1.5	9/23/2014	**7.6**	--	**0.22**	**0.22**
		1.5-2.0	9/23/2014	**6.2**	--	**0.17**	**0.17**
	3B	0.0-0.5	9/23/2014	**27**	--	**0.93**	**0.93**
		1.0-1.5	9/23/2014	**7.3**	--	**0.21**	**0.21**
		1.5-2.0	9/23/2014	**10**	--	**0.30**	**0.30**
	3C	0.0-0.5	9/23/2014	**87**	**4.0**	--	**4.0**
		1.0-1.5	9/23/2014	**6.3**	--	**0.17**	**0.17**
		1.5-2.0	9/23/2014	**8.4**	--	**0.24**	**0.24**
MVP4	4A	0.0-0.5	9/23/2014	**8.7**	--	**0.25**	**0.25**
		1.0-1.5	9/23/2014	**7.5**	--	**0.21**	**0.21**
		1.5-2.0	9/23/2014	**6.1**	--	**0.17**	**0.17**
	4B	0.0-0.5	9/23/2014	**16**	--	**0.51**	**0.51**
		1.0-1.5	9/23/2014	**7.0**	--	**0.20**	**0.20**
		1.5-2.0	9/23/2014	**10**	--	**0.30**	**0.30**
	4C	0.0-0.5	9/23/2014	**12**	--	**0.37**	**0.37**
		1.0-1.5	9/23/2014	**9.0**	--	**0.26**	**0.26**
		1.5-2.0	9/23/2014	**6.8**	--	**0.19**	**0.19**

Table 9
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Regression Curve Predicted STLC Values

Sample ID		Sample Depth	Sample Date	Total Lead	STLC	Regression Curve Predicted STLC	Actual and Predicted Final STLC
EPA Method				6010B	6010B	--	--
STLC Limit				5.0	5	5	5
TCLP Limit				5.0	NA	--	--
TTLC Limit				1000	--	--	--
RWQCB ESL[1] (mg/Kg)				80	--	--	--
Units				mg/Kg	mg/L	mg/L	mg/L
MVP5	5A	0.0-0.5	9/23/2014	**29.0**	**--**	**1.0**	**1.0**
		1.0-1.5	9/23/2014	**21**	**--**	**0.70**	**0.70**
		1.5-2.0	9/23/2014	**6.5**	**--**	**0.18**	**0.18**
	5B	0.0-0.5	9/23/2014	**57**	**1.9**	**--**	**1.9**
		1.0-1.5	9/23/2014	**34**	**--**	**1.2**	**1.2**
		1.5-2.0	9/23/2014	**7.4**	**--**	**0.21**	**0.21**
	5C	0.0-0.5	9/23/2014	**21**	**--**	**0.70**	**0.70**
		1.0-1.5	9/23/2014	**6.8**	**--**	**0.19**	**0.19**
		1.5-2.0	9/23/2014	**8.9**	**--**	**0.26**	**0.26**
MVP6[2]	6A	0.0-0.5	9/22/2014	**44**	**--**	**1.6**	**1.6**
		1.0-1.5	9/22/2014	**360**	**24**	**--**	**24**
		1.5-2.0	9/22/2014	**27**	**--**	**0.93**	**0.93**
	6B	0.0-0.5	9/22/2014	**46**	**--**	**1.7**	**1.7**
		1.0-1.5	9/22/2014	**280**	**11**	**--**	**11**
		1.5-2.0	9/22/2014	**46**	**--**	**1.7**	**1.7**
	6C	0.0-0.5	9/22/2014	**220**	**1.2**	**--**	**1.2**
		1.0-1.5	9/22/2014	**11**	**--**	**0.33**	**0.33**
		1.5-2.0	9/22/2014	**280**	**13**	**--**	**13**
MVP7	7A	0.0-0.5	9/22/2014	**12**	**--**	**0.37**	**0.37**
		1.0-1.5	9/22/2014	**7.2**	**--**	**0.20**	**0.20**
		1.5-2.0	9/22/2014	**7.4**	**--**	**0.21**	**0.21**
	7B	0.0-0.5	9/22/2014	**42**	**--**	**1.5**	**1.5**
		1.0-1.5	9/22/2014	**8.1**	**--**	**0.23**	**0.23**
		1.5-2.0	9/22/2014	**8.1**	**--**	**0.23**	**0.23**
	7C	0.0-0.5	9/22/2014	**12**	**--**	**0.37**	**0.37**
		1.0-1.5	9/22/2014	**6.9**	**--**	**0.19**	**0.19**
		1.5-2.0	9/22/2014	**7.1**	**--**	**0.20**	**0.20**
MVP8	8A	0.0-0.5	9/22/2014	**78**	**10**	**--**	**10**
		1.0-1.5	9/22/2014	**93**	**3.6**	**--**	**3.6**
		1.5-2.0	9/22/2014	**12**	**--**	**0.37**	**0.37**
	8B	0.0-0.5	9/22/2014	**96**	**3.8**	**--**	**3.8**
		1.0-1.5	9/22/2014	**21**	**--**	**0.70**	**0.70**
		1.5-2.0	9/22/2014	**9.1**	**--**	**0.27**	**0.27**
	8C	0.0-0.5	9/22/2014	**71**	**0.91**	**--**	**0.91**
		1.0-1.5	9/22/2014	**54**	**2.3**	**--**	**2.3**
		1.5-2.0	9/22/2014	**100**	**7.1**	**--**	**7.1**

Table 9
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
Regression Curve Predicted STLC Values

Sample ID		Sample Depth	Sample Date	Total Lead	STLC	Regression Curve Predicted STLC	Actual and Predicted Final STLC
EPA Method				6010B	6010B	--	--
STLC Limit				5.0	5	5	5
TCLP Limit				5.0	NA	--	--
TTLC Limit				1000	--	--	--
RWQCB ESL[1] (mg/Kg)				80	--	--	--
Units				mg/Kg	mg/L	mg/L	mg/L
MVP9	9A	0.0-0.5	9/22/2014	**65**	**3.0**	**--**	**3.0**
		1.0-1.5	9/22/2014	**8.6**	**--**	**0.25**	**0.25**
		1.5-2.0	9/22/2014	**9.1**	**--**	**0.27**	**0.27**
	9B	0.0-0.5	9/22/2014	**33**	**--**	**1.2**	**1.2**
		1.0-1.5	9/22/2014	**6.6**	**--**	**0.18**	**0.18**
		1.5-2.0	9/22/2014	**6.7**	**--**	**0.19**	**0.19**
	9C	0.0-0.5	9/22/2014	**9.6**	**--**	**0.28**	**0.28**
		1.0-1.5	9/22/2014	**10**	**--**	**0.30**	**0.30**
		1.5-2.0	9/22/2014	**8.5**	**--**	**0.25**	**0.25**
MVP10	10A	0.0-0.5	9/22/2014	**200**	**13**	**--**	**13**
		1.0-1.5	9/22/2014	**68**	**1.1**	**--**	**1.1**
		1.5-2.0	9/22/2014	**36**	**--**	**1.3**	**1.3**
	10B	0.0-0.5	9/22/2014	**450**	**17**	**--**	**17**
		1.0-1.5	9/22/2014	**38**	**--**	**1.4**	**1.4**
		1.5-2.0	9/22/2014	**86**	**2.0**	**--**	**2.0**
	10C	0.0-0.5	9/22/2014	**29**	**--**	**1.0**	**1.0**
		1.0-1.5	9/22/2014	**14**	**--**	**0.44**	**0.44**
		1.5-2.0	9/22/2014	**16**	**--**	**0.51**	**0.51**

Notes:

Bolded values indicate detections over the laboratory reporting limits

1 Table A-2. Shallow Soil Screening Levels (≤3m bgs) Commercial/Industrial Land use (groundwater is a current or potential drinking water resource)

2 MVP6 was removed from the project after sampling and laboratory analysis was completed.

indicates samples which had the WET procedure

indicated samples which had the WET and TCLP procedure

Abbreviations:

EPA: US Environmental Protection Agency

mg/Kg: miligram per kilogram

mg/L: milligram per Liter

TTLC: Total Threshold Limit Concentration

Table 10
I-680 Express Lanes
Pleasanton to San Ramon, Ca
MVP Locations
STLC Upper Confidence Limits

Location	STLC UCL (mg/L)
MVP1	2.98
MVP2	3.60
MVP3	3.97
MVP4	0.342
MVP5	1.07
MVP6[1]	19.7
MVP7	1.02
MVP8	5.32
MVP9	2.01
MVP10	13.2

Notes:

1. MVP6 was removed from the project after sampling and laboratory analysis was completed.

Indicates STLC UCL which exceeds California Hazardous Waste Criteria of 5.0 mg/L for lead

Abbreviations:

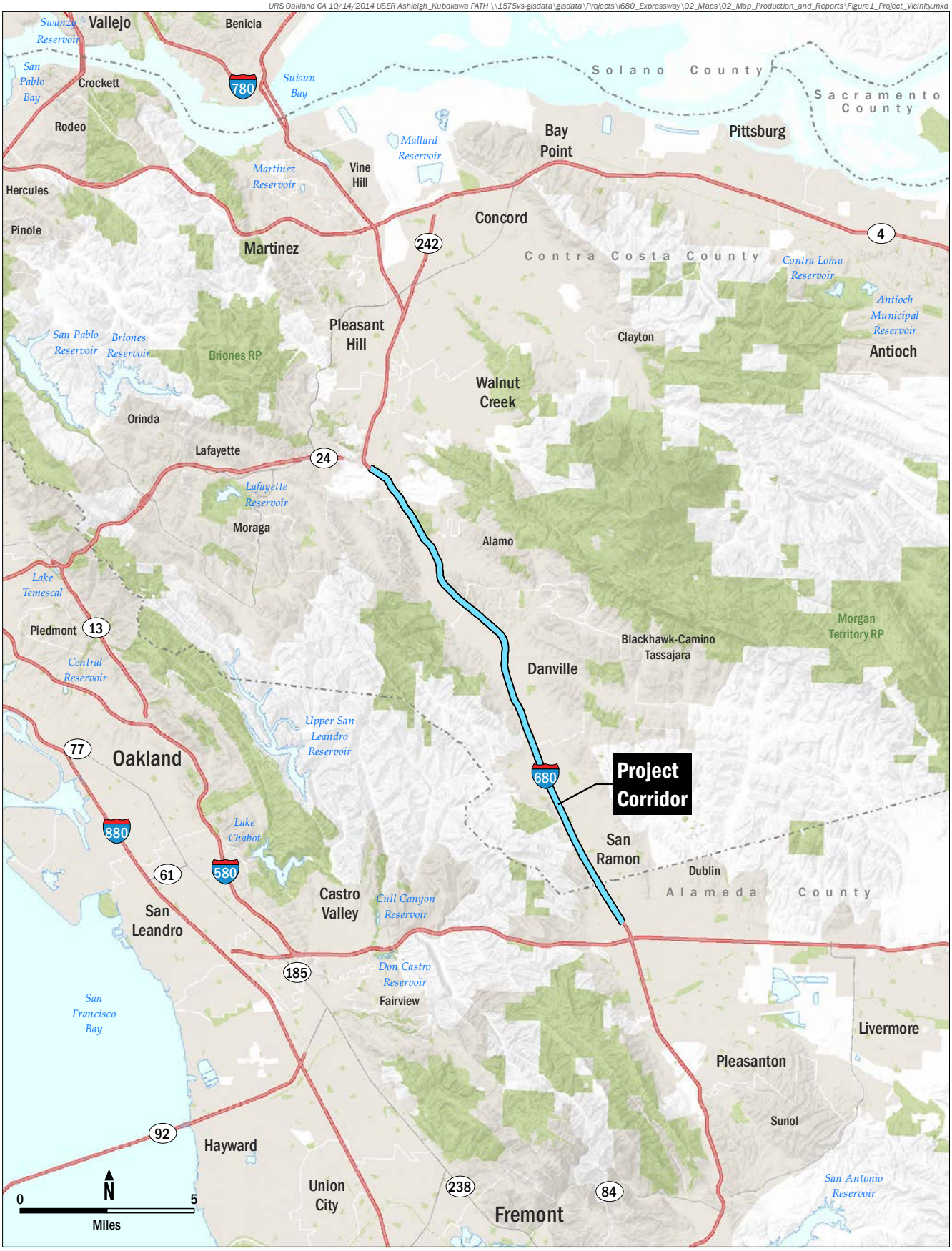
mg/L: milligram per Liter

STLC: Soluble Threshold Limit Concentration

UCL: upper confidence limit

FIGURES

URS Oakland CA 10/14/2014 USER Ashleigh_Kubokawa PATH \\1575vs-gisdata\gisdata\Projects\I680_Expressway\02_Maps\02_Map_Production_and_Reports\Figure1_Project_Vicinity.mxd



URS

BAIFA

I-680 Geotechnical Environmental Investigation

FIGURE 1

Project Vicinity

URS

BAIFA

I-680 Geotechnical Environmental Investigation

FIGURE 2

Geotechnical/Environmental Investigation Sampling Locations

Appendix A

DTSC Soil Reuse Policy

Area of Contamination Policy

DTSC's Project Development Procedures Manual, Chapter 18 – Environmental Contamination, Article 3 – Policies, 02/28/2006

US EPA allows certain discrete areas of generally dispersed contamination to be considered an individual waste management unit (equivalent to a landfill). These discrete areas are defined as Areas of Contamination or AOCs. An AOC is equated to a single unit, and therefore movement, consolidation, or in-situ treatment of hazardous waste within the AOC does not create a new point of hazardous waste generation. For an AOC, contamination must be contiguous but can have various concentrations. Contaminated materials within an AOC may be handled without the Department of Toxic Substance's Control's authorization for treatment, storage, or disposal of hazardous waste if the handling of the contaminated soil meets the requirements of the AOC policy.

In parts of the State such as San Francisco Bay, Los Angeles Harbor and San Diego Harbor certain areas were filled in to create more land. Historically these areas were filled with solid waste that sometimes contained hazardous waste. It is not possible to trace the responsible parties, nor is it practicable or necessary to remediate these entire areas. Therefore in these types of areas contaminated soil excavated for plantings, or to construct footings, foundations or other underground structures such as culverts, irrigation facilities, and utilities will be stockpiled and then used as backfill. Work done in these types of fill areas can fall under the US EPA AOC policy as long as the requirements of the DTSC AOC implementation plan are met. This plan was negotiated in 2000. See the Procedures Section for a detailed description of Caltrans' soil management in contaminated fill areas.

Appendix B
URS Sampling Plan

Interstate 680 Improvement Project Analytical Program
for Maintenance Vehicle Pullout Areas

MVP	Location	Direction	Sample	Depth	Pb	Cam 17 Metals	TPH-G and VOCs	TPH-d/TPH-mo (w/silca gel cleanup)	pH	Moisture
				Method	EPA 6010	EPA 6010	EPA 8260	EPA 8015	SM 4500	ASTM D2216
1	658+00	SB	1A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			1B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			1C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
2	688+50	SB	2A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			2B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			2C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
3	707+00	SB	3A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			3B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			3C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
4	734+40	SB Off Ramp	4A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			4B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			4C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
5	761+50	SB	5A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			5B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			5C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X

Interstate 680 Improvement Project Analytical Program
for Maintenance Vehicle Pullout Areas

MVP	Location	Direction	Sample	Depth	Pb	Cam 17 Metals	TPH-G and VOCs	TPH-d/TPH-mo (w/silca gel cleanup)	pH	Moisture
				Method	EPA 6010	EPA 6010	EPA 8260	EPA 8015	SM 4500	ASTM D2216
6	908+50	SB	6A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			6B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			6C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
7	965+00	SB On Ramp	7A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			7B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			7C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
8	1018+50	NB	8A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			8B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			8C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
9	1104+50	NB	9A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			9B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			9C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X
10	1212+00	SB	10A	0.0 - 0.5		X		X	X	X
				1.0- 1.5	X		X			X
				1.5 - 2.0	X		X	X		X
			10B	0.0 - 0.5	X					
				1.0- 1.5	X					
				1.5 - 2.0	X					
			10C	0.0 - 0.5	X			X		X
				1.0- 1.5	X		X	X		X
				1.5 - 2.0		X	X		X	X

Appendix C

Laboratory Reports and Chain-of-Custody Documentation in Electronic Format

URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1405093

Dear Suzanne Nase:

Torrent Laboratory, Inc. received 31 sample(s) on May 13, 2014 for the analyses presented in the following Report.

Six of the samples received were waters. Four soils were analyzed as discrete samples. From the other 21 soils received, 7 3:1 point composites were prepared for analysis.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

May 23, 2014

Yelena Brodskaya
Technical Manager

Date

Date: 5/23/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1405093

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

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Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-013-10' 1405093-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	2.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	37	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	16	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	48	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	31	mg/Kg
Zinc	SW6010B	1	0.25	5.0	40	mg/Kg

A-14-013 1405093-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Vinyl Chloride	SW8260B	1.11	0.17	0.56	2.0	ug/L
trans-1,2-Dichloroethene	SW8260B	1.11	0.21	0.56	6.3	ug/L
cis-1,2-Dichloroethene	SW8260B	1.11	0.21	0.56	61	ug/L
TPH as Gasoline	8260TPH	1.11	35	56	100	ug/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.67	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.018	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.011	mg/L

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Comp A-14-015 (10', 20', 30') 1405093-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.5	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	19	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.0	mg/Kg
Copper	SW6010B	1	0.650	5.0	10	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	15	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	37	mg/Kg
Zinc	SW6010B	1	0.25	5.0	35	mg/Kg

Comp A-14-014 (10', 20', 30' 1405093-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.2	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	41	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	2.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	43	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	19	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.3	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	17	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	16	mg/Kg
Zinc	SW6010B	1	0.25	5.0	26	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-012A 8.5'-10' 1405093-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	2.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	42	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	47	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	34	mg/Kg
Zinc	SW6010B	1	0.25	5.0	42	mg/Kg

A-14-012A 1405093-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1.24	39	62	46	ug/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.35	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.010	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.013	mg/L

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-012 8.5'-10' 1405093-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	34	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	43	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	37	mg/Kg
Zinc	SW6010B	1	0.25	5.0	36	mg/Kg

A-14-012 1405093-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.15	mg/L
Chromium (Dissolved)	SW6010B	1	0.002	0.005	0.0081	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.016	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.026	mg/L
Mercury (Dissolved)	SW7470A	1	0.00005	0.0002	0.00020	mg/L

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-011A 8.5'-10' 1405093-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	42	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.4	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.8	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	43	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	39	mg/Kg

A-14-011A 1405093-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.22	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.0099	mg/L

Trip Blank 1405093-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-011 Comp 1405093-028

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	10	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	27	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	27	mg/Kg
Zinc	SW6010B	1	0.25	5.0	25	mg/Kg

A-14-009 Comp 1405093-029

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	38	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	10	mg/Kg
Copper	SW6010B	1	0.650	5.0	19	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.1	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	52	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	35	mg/Kg
Zinc	SW6010B	1	0.25	5.0	34	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-007 Comp 1405093-030

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	31	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	15	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.1	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	35	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	23	mg/Kg
Zinc	SW6010B	1	0.25	5.0	31	mg/Kg

A-14-006 Comp 1405093-037

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	33	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.0	mg/Kg
Copper	SW6010B	1	0.650	5.0	13	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	36	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	28	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	16	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

A-14-005 Comp 1405093-038

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	120	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	16	mg/Kg
Copper	SW6010B	1	0.650	5.0	20	mg/Kg
Lead	SW6010B	1	0.14	1.0	3.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	22	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	13	mg/Kg
Zinc	SW6010B	1	0.25	5.0	43	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013-10'	**Lab Sample ID:**	1405093-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	2.3		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	140		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	37		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	8.9		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	16		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	5.7		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	48		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	31		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	40		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013-10'	**Lab Sample ID:**	1405093-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013-10'	**Lab Sample ID:**	1405093-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	111		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	116		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	106		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013-10'	**Lab Sample ID:**	1405093-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	107		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	93.1		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013	**Lab Sample ID:**	1405093-008A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1.11	0.20	0.56	ND		ug/L	420763	NA
Chloromethane	SW8260B	NA	05/20/14	1.11	0.18	0.56	ND		ug/L	420763	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1.11	0.17	0.56	2.0		ug/L	420763	NA
Bromomethane	SW8260B	NA	05/20/14	1.11	0.20	0.56	ND		ug/L	420763	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1.11	0.20	0.56	ND		ug/L	420763	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
Freon 113	SW8260B	NA	05/20/14	1.11	0.21	0.56	ND		ug/L	420763	NA
Methylene Chloride	SW8260B	NA	05/20/14	1.11	0.26	5.6	ND		ug/L	420763	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.11	0.21	0.56	6.3		ug/L	420763	NA
MTBE	SW8260B	NA	05/20/14	1.11	0.19	0.56	ND		ug/L	420763	NA
tert-Butanol	SW8260B	NA	05/20/14	1.11	1.7	5.6	ND		ug/L	420763	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
ETBE	SW8260B	NA	05/20/14	1.11	0.19	0.56	ND		ug/L	420763	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.11	0.21	0.56	61		ug/L	420763	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
Bromochloromethane	SW8260B	NA	05/20/14	1.11	0.23	0.56	ND		ug/L	420763	NA
Chloroform	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
Benzene	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
TAME	SW8260B	NA	05/20/14	1.11	0.19	0.56	ND		ug/L	420763	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
Trichloroethylene	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
Dibromomethane	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1.11	0.19	0.56	ND		ug/L	420763	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1.11	0.14	0.56	ND		ug/L	420763	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA
Toluene	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.11	0.25	0.56	ND		ug/L	420763	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA
1,3-Dichloropropane	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013	**Lab Sample ID:**	1405093-008A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	05/20/14	1.11	0.21	0.56	ND		ug/L	420763	NA
Chlorobenzene	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
Ethyl Benzene	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA
m,p-Xylene	SW8260B	NA	05/20/14	1.11	0.15	1.1	ND		ug/L	420763	NA
o-Xylene	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
Styrene	SW8260B	NA	05/20/14	1.11	0.23	0.56	ND		ug/L	420763	NA
Bromoform	SW8260B	NA	05/20/14	1.11	0.23	1.1	ND		ug/L	420763	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1.11	0.11	0.56	ND		ug/L	420763	NA
Bromobenzene	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.11	0.12	0.56	ND		ug/L	420763	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1.11	0.086	0.56	ND		ug/L	420763	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1.11	0.084	0.56	ND		ug/L	420763	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1.11	0.082	0.56	ND		ug/L	420763	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1.11	0.098	0.56	ND		ug/L	420763	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1.11	0.090	0.56	ND		ug/L	420763	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1.11	0.16	0.56	ND		ug/L	420763	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1.11	0.092	0.56	ND		ug/L	420763	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1.11	0.10	0.56	ND		ug/L	420763	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1.11	0.10	0.56	ND		ug/L	420763	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1.11	0.12	0.56	ND		ug/L	420763	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1.11	0.076	0.56	ND		ug/L	420763	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1.11	0.090	0.56	ND		ug/L	420763	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1.11	0.063	0.56	ND		ug/L	420763	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1.11	0.17	0.56	ND		ug/L	420763	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1.11	0.22	0.56	ND		ug/L	420763	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1.11	0.13	0.56	ND		ug/L	420763	NA
Naphthalene	SW8260B	NA	05/20/14	1.11	0.15	1.1	ND		ug/L	420763	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1.11	0.26	0.56	ND		ug/L	420763	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1.11	61.2	131	85.4		%	420763	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1.11	75.1	127	82.1		%	420763	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1.11	64.1	120	87.4		%	420763	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013	**Lab Sample ID:**	1405093-008A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	5/20/14	05/20/14	1.11	35	56	100	x	ug/L	420763	11712
(S) 4-Bromofluorobenzene	8260TPH	5/20/14	05/20/14	1.11	41.5	125	72.8		%	420763	11712

NOTE: x - Does not match pattern of reference Gasoline standard. Reported value is the result of discrete peak within range of C5-C12 quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013	**Lab Sample ID:**	1405093-008B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Arsenic (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.009	ND		mg/L	420693	11665
Barium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.67		mg/L	420693	11665
Beryllium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cadmium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.001	0.005	ND		mg/L	420693	11665
Chromium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cobalt (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Copper (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.003	0.009	ND		mg/L	420693	11665
Lead (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.014	ND		mg/L	420693	11665
Molybdenum (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.018		mg/L	420693	11665
Nickel (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	ND		mg/L	420693	11665
Selenium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.02	ND		mg/L	420693	11665
Silver (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Thallium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Vanadium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Zinc (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.011		mg/L	420693	11665

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/19/14	05/20/14	1	0.00005	0.0002	ND		mg/L	420708	11670

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-013	**Lab Sample ID:**	1405093-008C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.0500	0.13	ND		mg/L	420744	11678
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.113	0.50	ND		mg/L	420744	11678
Pentacosane (S)	SW8015B(M)	5/20/14	05/20/14	1	50.8	139	102		%	420744	11678

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-015 (10', 20', 30')	**Lab Sample ID:**	1405093-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	110		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	1.5		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	19		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	6.0		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	10		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	5.5		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	15		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	37		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	35		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-015 (10', 20', 30')	**Lab Sample ID:**	1405093-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-015 (10', 20', 30')	**Lab Sample ID:**	1405093-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	117		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	115		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	113		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-015 (10', 20', 30')	**Lab Sample ID:**	1405093-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	109		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	74.2		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-014 (10', 20', 30'	**Lab Sample ID:**	1405093-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	2.4		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	43		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	19		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	ND		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	ND		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	4.3		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	17		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	16		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	26		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-014 (10', 20', 30'	**Lab Sample ID:**	1405093-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-014 (10', 20', 30'	**Lab Sample ID:**	1405093-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	114		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	116		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	104		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Comp A-14-014 (10', 20', 30'	**Lab Sample ID:**	1405093-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	105		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	2.2		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	41		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	77.9		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A 8.5'-10'	**Lab Sample ID:**	1405093-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	2.4		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	160		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	42		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	9.3		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	18		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	6.0		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	47		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	34		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	42		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A 8.5'-10'	**Lab Sample ID:**	1405093-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1	4.4	10	ND		ug/Kg	420735	NA
Chloromethane	SW8260B	NA	05/20/14	1	4.6	10	ND		ug/Kg	420735	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1	2.6	10	ND		ug/Kg	420735	NA
Bromomethane	SW8260B	NA	05/20/14	1	4.7	10	ND		ug/Kg	420735	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1	2.9	10	ND		ug/Kg	420735	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1	1.5	10	ND		ug/Kg	420735	NA
Freon 113	SW8260B	NA	05/20/14	1	3.7	10	ND		ug/Kg	420735	NA
Methylene Chloride	SW8260B	NA	05/20/14	1	2.0	50	ND		ug/Kg	420735	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	1.1	10	ND		ug/Kg	420735	NA
MTBE	SW8260B	NA	05/20/14	1	2.6	10	ND		ug/Kg	420735	NA
tert-Butanol	SW8260B	NA	05/20/14	1	21	50	ND		ug/Kg	420735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1	2.2	10	ND		ug/Kg	420735	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1	1.3	10	ND		ug/Kg	420735	NA
ETBE	SW8260B	NA	05/20/14	1	2.4	10	ND		ug/Kg	420735	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	1.8	10	ND		ug/Kg	420735	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
Bromochloromethane	SW8260B	NA	05/20/14	1	2.3	10	ND		ug/Kg	420735	NA
Chloroform	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1	1.6	10	ND		ug/Kg	420735	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1	1.4	10	ND		ug/Kg	420735	NA
Benzene	SW8260B	NA	05/20/14	1	1.5	10	ND		ug/Kg	420735	NA
TAME	SW8260B	NA	05/20/14	1	2.1	10	ND		ug/Kg	420735	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1	1.9	10	ND		ug/Kg	420735	NA
Trichloroethylene	SW8260B	NA	05/20/14	1	3.9	10	ND		ug/Kg	420735	NA
Dibromomethane	SW8260B	NA	05/20/14	1	2.2	10	ND		ug/Kg	420735	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1	1.3	10	ND		ug/Kg	420735	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1	1.1	10	ND		ug/Kg	420735	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	1.4	10	ND		ug/Kg	420735	NA
Toluene	SW8260B	NA	05/20/14	1	0.98	10	ND		ug/Kg	420735	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1	1.8	10	ND		ug/Kg	420735	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1	1.8	10	ND		ug/Kg	420735	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1	1.1	10	ND		ug/Kg	420735	NA
1,3-Dichloropropane	SW8260B	NA	05/20/14	1	2.1	10	ND		ug/Kg	420735	NA
1,2-Dibromoethane	SW8260B	NA	05/20/14	1	1.7	10	ND		ug/Kg	420735	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A 8.5'-10'	**Lab Sample ID:**	1405093-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/20/14	1	0.86	10	ND		ug/Kg	420735	NA
Chlorobenzene	SW8260B	NA	05/20/14	1	4.2	10	ND		ug/Kg	420735	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	0.86	10	ND		ug/Kg	420735	NA
m,p-Xylene	SW8260B	NA	05/20/14	1	1.9	10	ND		ug/Kg	420735	NA
o-Xylene	SW8260B	NA	05/20/14	1	0.66	5.0	ND		ug/Kg	420735	NA
Styrene	SW8260B	NA	05/20/14	1	0.77	10	ND		ug/Kg	420735	NA
Bromoform	SW8260B	NA	05/20/14	1	1.9	10	ND		ug/Kg	420735	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1	1.4	10	ND		ug/Kg	420735	NA
Bromobenzene	SW8260B	NA	05/20/14	1	1.2	10	ND		ug/Kg	420735	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	3.0	10	ND		ug/Kg	420735	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1	1.1	10	ND		ug/Kg	420735	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1	3.3	10	ND		ug/Kg	420735	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1	1.6	10	ND		ug/Kg	420735	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1	1.6	10	ND		ug/Kg	420735	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1	1.4	10	ND		ug/Kg	420735	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1	1.1	10	ND		ug/Kg	420735	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1	1.6	10	ND		ug/Kg	420735	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1	1.5	10	ND		ug/Kg	420735	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1	1.8	10	ND		ug/Kg	420735	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1	1.5	10	ND		ug/Kg	420735	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1	2.2	10	ND		ug/Kg	420735	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1	1.3	10	ND		ug/Kg	420735	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1	4.2	10	ND		ug/Kg	420735	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1	2.6	10	ND		ug/Kg	420735	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1	2.1	10	ND		ug/Kg	420735	NA
Naphthalene	SW8260B	NA	05/20/14	1	2.8	10	ND		ug/Kg	420735	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1	2.9	10	ND		ug/Kg	420735	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1	59.8	148	113		%	420735	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1	55.2	133	118		%	420735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1	55.8	141	107		%	420735	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A 8.5'-10'	**Lab Sample ID:**	1405093-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/20/14	05/20/14	1	30	100	ND		ug/Kg	420735	11695
(S) 4-Bromofluorobenzene	8260TPH	5/20/14	05/20/14	1	43.9	127	105		%	420735	11695

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	109		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A	**Lab Sample ID:**	1405093-013A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1.24	0.22	0.62	ND		ug/L	420763	NA
Chloromethane	SW8260B	NA	05/20/14	1.24	0.20	0.62	ND		ug/L	420763	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Bromomethane	SW8260B	NA	05/20/14	1.24	0.23	0.62	ND		ug/L	420763	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1.24	0.23	0.62	ND		ug/L	420763	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Freon 113	SW8260B	NA	05/20/14	1.24	0.24	0.62	ND		ug/L	420763	NA
Methylene Chloride	SW8260B	NA	05/20/14	1.24	0.28	6.2	ND		ug/L	420763	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.24	0.24	0.62	ND		ug/L	420763	NA
MTBE	SW8260B	NA	05/20/14	1.24	0.21	0.62	ND		ug/L	420763	NA
tert-Butanol	SW8260B	NA	05/20/14	1.24	1.9	6.2	ND		ug/L	420763	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
ETBE	SW8260B	NA	05/20/14	1.24	0.22	0.62	ND		ug/L	420763	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.24	0.24	0.62	ND		ug/L	420763	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Bromochloromethane	SW8260B	NA	05/20/14	1.24	0.25	0.62	ND		ug/L	420763	NA
Chloroform	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Benzene	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
TAME	SW8260B	NA	05/20/14	1.24	0.22	0.62	ND		ug/L	420763	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
Trichloroethylene	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
Dibromomethane	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1.24	0.22	0.62	ND		ug/L	420763	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1.24	0.16	0.62	ND		ug/L	420763	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA
Toluene	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.24	0.28	0.62	ND		ug/L	420763	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A	**Lab Sample ID:**	1405093-013A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	05/20/14	1.24	0.13	0.62	ND		ug/L	420763	NA
1,2-Dibromoethane	SW8260B	NA	05/20/14	1.24	0.24	0.62	ND		ug/L	420763	NA
Chlorobenzene	SW8260B	NA	05/20/14	1.24	0.18	0.62	ND		ug/L	420763	NA
Ethyl Benzene	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA
m,p-Xylene	SW8260B	NA	05/20/14	1.24	0.17	1.2	ND		ug/L	420763	NA
o-Xylene	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Styrene	SW8260B	NA	05/20/14	1.24	0.26	0.62	ND		ug/L	420763	NA
Bromoform	SW8260B	NA	05/20/14	1.24	0.26	1.2	ND		ug/L	420763	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA
Bromobenzene	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.24	0.13	0.62	ND		ug/L	420763	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1.24	0.096	0.62	ND		ug/L	420763	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1.24	0.094	0.62	ND		ug/L	420763	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1.24	0.092	0.62	ND		ug/L	420763	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1.24	0.11	0.62	ND		ug/L	420763	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1.24	0.10	0.62	ND		ug/L	420763	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1.24	0.17	0.62	ND		ug/L	420763	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1.24	0.10	0.62	ND		ug/L	420763	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1.24	0.11	0.62	ND		ug/L	420763	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1.24	0.12	0.62	ND		ug/L	420763	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1.24	0.13	0.62	ND		ug/L	420763	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1.24	0.085	0.62	ND		ug/L	420763	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1.24	0.10	0.62	ND		ug/L	420763	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1.24	0.071	0.62	ND		ug/L	420763	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1.24	0.19	0.62	ND		ug/L	420763	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1.24	0.24	0.62	ND		ug/L	420763	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1.24	0.15	0.62	ND		ug/L	420763	NA
Naphthalene	SW8260B	NA	05/20/14	1.24	0.17	1.2	ND		ug/L	420763	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1.24	0.29	0.62	ND		ug/L	420763	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1.24	61.2	131	87.5		%	420763	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1.24	75.1	127	84.8		%	420763	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1.24	64.1	120	89.4		%	420763	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A	**Lab Sample ID:**	1405093-013A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	5/20/14	05/20/14	1.24	39	62	46	J	ug/L	420763	11712
(S) 4-Bromofluorobenzene	8260TPH	5/20/14	05/20/14	1.24	41.5	125	67.7		%	420763	11712

NOTE: Raised reporting limit - see comment for 8260B analysis.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A	**Lab Sample ID:**	1405093-013B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Arsenic (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.009	ND		mg/L	420693	11665
Barium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.35		mg/L	420693	11665
Beryllium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cadmium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.001	0.005	ND		mg/L	420693	11665
Chromium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cobalt (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Copper (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.003	0.009	ND		mg/L	420693	11665
Lead (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.014	ND		mg/L	420693	11665
Molybdenum (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.010		mg/L	420693	11665
Nickel (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	ND		mg/L	420693	11665
Selenium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.02	ND		mg/L	420693	11665
Silver (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Thallium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Vanadium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Zinc (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.013		mg/L	420693	11665

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/19/14	05/20/14	1	0.00005	0.0002	ND		mg/L	420708	11670

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012A	**Lab Sample ID:**	1405093-013C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 22:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.0612	0.15	ND		mg/L	420744	11678
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.138	0.61	ND		mg/L	420744	11678
Pentacosane (S)	SW8015B(M)	5/20/14	05/20/14	1	50.8	139	122		%	420744	11678

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012 8.5'-10'	**Lab Sample ID:**	1405093-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:51		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	5.6		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	140		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	34		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	8.9		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	17		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	5.5		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	43		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	37		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	36		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012 8.5'-10'	**Lab Sample ID:**	1405093-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:51		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012 8.5'-10'	**Lab Sample ID:**	1405093-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:51		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	115		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	118		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	109		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012 8.5'-10'	**Lab Sample ID:**	1405093-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:51		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	105		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	80.4		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012	**Lab Sample ID:**	1405093-015A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 1:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1.62	0.29	0.81	ND		ug/L	420763	NA
Chloromethane	SW8260B	NA	05/20/14	1.62	0.26	0.81	ND		ug/L	420763	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Bromomethane	SW8260B	NA	05/20/14	1.62	0.29	0.81	ND		ug/L	420763	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1.62	0.30	0.81	ND		ug/L	420763	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Freon 113	SW8260B	NA	05/20/14	1.62	0.31	0.81	ND		ug/L	420763	NA
Methylene Chloride	SW8260B	NA	05/20/14	1.62	0.37	8.1	ND		ug/L	420763	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.62	0.31	0.81	ND		ug/L	420763	NA
MTBE	SW8260B	NA	05/20/14	1.62	0.28	0.81	ND		ug/L	420763	NA
tert-Butanol	SW8260B	NA	05/20/14	1.62	2.5	8.1	ND		ug/L	420763	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
ETBE	SW8260B	NA	05/20/14	1.62	0.28	0.81	ND		ug/L	420763	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1.62	0.31	0.81	ND		ug/L	420763	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Bromochloromethane	SW8260B	NA	05/20/14	1.62	0.33	0.81	ND		ug/L	420763	NA
Chloroform	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1.62	0.16	0.81	ND		ug/L	420763	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Benzene	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
TAME	SW8260B	NA	05/20/14	1.62	0.28	0.81	ND		ug/L	420763	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
Trichloroethylene	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
Dibromomethane	SW8260B	NA	05/20/14	1.62	0.24	0.81	ND		ug/L	420763	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1.62	0.28	0.81	ND		ug/L	420763	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1.62	0.21	0.81	ND		ug/L	420763	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.62	0.16	0.81	ND		ug/L	420763	NA
Toluene	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1.62	0.37	0.81	ND		ug/L	420763	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1.62	0.16	0.81	ND		ug/L	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012	**Lab Sample ID:**	1405093-015A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 1:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	05/20/14	1.62	0.17	0.81	ND		ug/L	420763	NA
1,2-Dibromoethane	SW8260B	NA	05/20/14	1.62	0.31	0.81	ND		ug/L	420763	NA
Chlorobenzene	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
Ethyl Benzene	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.62	0.16	0.81	ND		ug/L	420763	NA
m,p-Xylene	SW8260B	NA	05/20/14	1.62	0.22	1.6	ND		ug/L	420763	NA
o-Xylene	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Styrene	SW8260B	NA	05/20/14	1.62	0.34	0.81	ND		ug/L	420763	NA
Bromoform	SW8260B	NA	05/20/14	1.62	0.34	1.6	ND		ug/L	420763	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1.62	0.16	0.81	ND		ug/L	420763	NA
Bromobenzene	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1.62	0.17	0.81	ND		ug/L	420763	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1.62	0.13	0.81	ND		ug/L	420763	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1.62	0.12	0.81	ND		ug/L	420763	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1.62	0.12	0.81	ND		ug/L	420763	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1.62	0.14	0.81	ND		ug/L	420763	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1.62	0.13	0.81	ND		ug/L	420763	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1.62	0.23	0.81	ND		ug/L	420763	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1.62	0.13	0.81	ND		ug/L	420763	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1.62	0.15	0.81	ND		ug/L	420763	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1.62	0.15	0.81	ND		ug/L	420763	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1.62	0.17	0.81	ND		ug/L	420763	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1.62	0.11	0.81	ND		ug/L	420763	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1.62	0.13	0.81	ND		ug/L	420763	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1.62	0.093	0.81	ND		ug/L	420763	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1.62	0.25	0.81	ND		ug/L	420763	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1.62	0.32	0.81	ND		ug/L	420763	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1.62	0.20	0.81	ND		ug/L	420763	NA
Naphthalene	SW8260B	NA	05/20/14	1.62	0.22	1.6	ND		ug/L	420763	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1.62	0.38	0.81	ND		ug/L	420763	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1.62	61.2	131	87.5		%	420763	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1.62	75.1	127	84.6		%	420763	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1.62	64.1	120	90.3		%	420763	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012	**Lab Sample ID:**	1405093-015A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 1:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	5/20/14	05/20/14	1.62	51	81	ND		ug/L	420763	11712
(S) 4-Bromofluorobenzene	8260TPH	5/20/14	05/20/14	1.62	41.5	125	62.6		%	420763	11712

NOTE: Raised reporting limit - see comment for 8260B analysis.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012	**Lab Sample ID:**	1405093-015B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 1:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Arsenic (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.009	ND		mg/L	420693	11665
Barium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.15		mg/L	420693	11665
Beryllium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cadmium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.001	0.005	ND		mg/L	420693	11665
Chromium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	0.0081		mg/L	420693	11665
Cobalt (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Copper (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.003	0.009	ND		mg/L	420693	11665
Lead (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.014	ND		mg/L	420693	11665
Molybdenum (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.016		mg/L	420693	11665
Nickel (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	ND		mg/L	420693	11665
Selenium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.02	ND		mg/L	420693	11665
Silver (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Thallium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Vanadium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Zinc (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.026		mg/L	420693	11665

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/19/14	05/20/14	1	0.00005	0.0002	0.00020		mg/L	420708	11670

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-012	**Lab Sample ID:**	1405093-015C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 1:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.100	0.25	ND		mg/L	420744	11678
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.225	1.0	ND		mg/L	420744	11678
Pentacosane (S)	SW8015B(M)	5/20/14	05/20/14	1	50.8	139	116		%	420744	11678

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A 8.5'-10'	**Lab Sample ID:**	1405093-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 2:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	140		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	42		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	7.4		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	17		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	4.8		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	43		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	29		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	39		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A 8.5'-10'	**Lab Sample ID:**	1405093-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 2:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A 8.5'-10'	**Lab Sample ID:**	1405093-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 2:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	113		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	117		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	109		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A 8.5'-10'	**Lab Sample ID:**	1405093-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 2:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	109		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	93.0		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A	**Lab Sample ID:**	1405093-017A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
Chloromethane	SW8260B	NA	05/20/14	1	0.16	0.50	ND		ug/L	420763	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1	0.16	0.50	ND		ug/L	420763	NA
Bromomethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Freon 113	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
Methylene Chloride	SW8260B	NA	05/20/14	1	0.23	5.0	ND		ug/L	420763	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
MTBE	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
tert-Butanol	SW8260B	NA	05/20/14	1	1.5	5.0	ND		ug/L	420763	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
ETBE	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Bromochloromethane	SW8260B	NA	05/20/14	1	0.20	0.50	ND		ug/L	420763	NA
Chloroform	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1	0.097	0.50	ND		ug/L	420763	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Benzene	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
TAME	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Trichloroethylene	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
Dibromomethane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
Toluene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	0.23	0.50	ND		ug/L	420763	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
1,3-Dichloropropane	SW8260B	NA	05/20/14	1	0.10	0.50	ND		ug/L	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A	**Lab Sample ID:**	1405093-017A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
Chlorobenzene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Ethyl Benzene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
m,p-Xylene	SW8260B	NA	05/20/14	1	0.13	1.0	ND		ug/L	420763	NA
o-Xylene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Styrene	SW8260B	NA	05/20/14	1	0.21	0.50	ND		ug/L	420763	NA
Bromoform	SW8260B	NA	05/20/14	1	0.21	1.0	ND		ug/L	420763	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1	0.097	0.50	ND		ug/L	420763	NA
Bromobenzene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	0.11	0.50	ND		ug/L	420763	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1	0.078	0.50	ND		ug/L	420763	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1	0.076	0.50	ND		ug/L	420763	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1	0.074	0.50	ND		ug/L	420763	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1	0.088	0.50	ND		ug/L	420763	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1	0.081	0.50	ND		ug/L	420763	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1	0.083	0.50	ND		ug/L	420763	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1	0.092	0.50	ND		ug/L	420763	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1	0.093	0.50	ND		ug/L	420763	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.10	0.50	ND		ug/L	420763	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.069	0.50	ND		ug/L	420763	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1	0.081	0.50	ND		ug/L	420763	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.057	0.50	ND		ug/L	420763	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1	0.12	0.50	ND		ug/L	420763	NA
Naphthalene	SW8260B	NA	05/20/14	1	0.14	1.0	ND		ug/L	420763	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1	0.23	0.50	ND		ug/L	420763	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1	61.2	131	90.4		%	420763	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1	75.1	127	84.9		%	420763	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1	64.1	120	90.7		%	420763	NA

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A	**Lab Sample ID:**	1405093-017A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	5/20/14	05/20/14	1	31	50	ND		ug/L	420763	11712
(S) 4-Bromofluorobenzene	8260TPH	5/20/14	05/20/14	1	41.5	125	68.1		%	420763	11712

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A	**Lab Sample ID:**	1405093-017B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Arsenic (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.009	ND		mg/L	420693	11665
Barium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.22		mg/L	420693	11665
Beryllium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cadmium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.001	0.005	ND		mg/L	420693	11665
Chromium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Cobalt (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Copper (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.003	0.009	ND		mg/L	420693	11665
Lead (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.005	0.014	ND		mg/L	420693	11665
Molybdenum (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	ND		mg/L	420693	11665
Nickel (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	ND		mg/L	420693	11665
Selenium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.02	ND		mg/L	420693	11665
Silver (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.005	ND		mg/L	420693	11665
Thallium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Vanadium (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.004	0.009	ND		mg/L	420693	11665
Zinc (Dissolved)	SW6010B	5/19/14	05/19/14	1	0.002	0.009	0.0099		mg/L	420693	11665

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/19/14	05/20/14	1	0.00005	0.0002	ND		mg/L	420708	11670

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011A	**Lab Sample ID:**	1405093-017C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 3:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.0664	0.17	ND		mg/L	420744	11678
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/20/14	1	0.149	0.66	ND		mg/L	420744	11678
Pentacosane (S)	SW8015B(M)	5/20/14	05/20/14	1	50.8	139	99.9		%	420744	11678

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Trip Blank	**Lab Sample ID:**	1405093-018A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
Chloromethane	SW8260B	NA	05/20/14	1	0.16	0.50	ND		ug/L	420763	NA
Vinyl Chloride	SW8260B	NA	05/20/14	1	0.16	0.50	ND		ug/L	420763	NA
Bromomethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
Trichlorofluoromethane	SW8260B	NA	05/20/14	1	0.18	0.50	ND		ug/L	420763	NA
1,1-Dichloroethene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Freon 113	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
Methylene Chloride	SW8260B	NA	05/20/14	1	0.23	5.0	ND		ug/L	420763	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
MTBE	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
tert-Butanol	SW8260B	NA	05/20/14	1	1.5	5.0	ND		ug/L	420763	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
1,1-Dichloroethane	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
ETBE	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
2,2-Dichloropropane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Bromochloromethane	SW8260B	NA	05/20/14	1	0.20	0.50	ND		ug/L	420763	NA
Chloroform	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
Carbon Tetrachloride	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,1-Trichloroethane	SW8260B	NA	05/20/14	1	0.097	0.50	ND		ug/L	420763	NA
1,1-Dichloropropene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Benzene	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
TAME	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
1,2-Dichloroethane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Trichloroethylene	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
Dibromomethane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,2-Dichloropropane	SW8260B	NA	05/20/14	1	0.17	0.50	ND		ug/L	420763	NA
Bromodichloromethane	SW8260B	NA	05/20/14	1	0.13	0.50	ND		ug/L	420763	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
Toluene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Tetrachloroethylene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/20/14	1	0.23	0.50	ND		ug/L	420763	NA
1,1,2-Trichloroethane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Dibromochloromethane	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
1,3-Dichloropropane	SW8260B	NA	05/20/14	1	0.10	0.50	ND		ug/L	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	Trip Blank	**Lab Sample ID:**	1405093-018A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/13/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
Chlorobenzene	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
Ethyl Benzene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	0.096	0.50	ND		ug/L	420763	NA
m,p-Xylene	SW8260B	NA	05/20/14	1	0.13	1.0	ND		ug/L	420763	NA
o-Xylene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Styrene	SW8260B	NA	05/20/14	1	0.21	0.50	ND		ug/L	420763	NA
Bromoform	SW8260B	NA	05/20/14	1	0.21	1.0	ND		ug/L	420763	NA
Isopropyl Benzene	SW8260B	NA	05/20/14	1	0.097	0.50	ND		ug/L	420763	NA
Bromobenzene	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/20/14	1	0.11	0.50	ND		ug/L	420763	NA
n-Propylbenzene	SW8260B	NA	05/20/14	1	0.078	0.50	ND		ug/L	420763	NA
2-Chlorotoluene	SW8260B	NA	05/20/14	1	0.076	0.50	ND		ug/L	420763	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/20/14	1	0.074	0.50	ND		ug/L	420763	NA
4-Chlorotoluene	SW8260B	NA	05/20/14	1	0.088	0.50	ND		ug/L	420763	NA
tert-Butylbenzene	SW8260B	NA	05/20/14	1	0.081	0.50	ND		ug/L	420763	NA
1,2,3-Trichloropropane	SW8260B	NA	05/20/14	1	0.14	0.50	ND		ug/L	420763	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/20/14	1	0.083	0.50	ND		ug/L	420763	NA
sec-Butyl Benzene	SW8260B	NA	05/20/14	1	0.092	0.50	ND		ug/L	420763	NA
p-Isopropyltoluene	SW8260B	NA	05/20/14	1	0.093	0.50	ND		ug/L	420763	NA
1,3-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.10	0.50	ND		ug/L	420763	NA
1,4-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.069	0.50	ND		ug/L	420763	NA
n-Butylbenzene	SW8260B	NA	05/20/14	1	0.081	0.50	ND		ug/L	420763	NA
1,2-Dichlorobenzene	SW8260B	NA	05/20/14	1	0.057	0.50	ND		ug/L	420763	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/20/14	1	0.15	0.50	ND		ug/L	420763	NA
Hexachlorobutadiene	SW8260B	NA	05/20/14	1	0.19	0.50	ND		ug/L	420763	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/20/14	1	0.12	0.50	ND		ug/L	420763	NA
Naphthalene	SW8260B	NA	05/20/14	1	0.14	1.0	ND		ug/L	420763	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/20/14	1	0.23	0.50	ND		ug/L	420763	NA
(S) Dibromofluoromethane	SW8260B	NA	05/20/14	1	61.2	131	82.4		%	420763	NA
(S) Toluene-d8	SW8260B	NA	05/20/14	1	75.1	127	83.8		%	420763	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/20/14	1	64.1	120	90.7		%	420763	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011 Comp	**Lab Sample ID:**	1405093-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	150		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	35		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	5.3		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	10		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	4.7		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	27		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	27		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	25		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011 Comp	**Lab Sample ID:**	1405093-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011 Comp	**Lab Sample ID:**	1405093-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	118		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	116		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	114		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-011 Comp	**Lab Sample ID:**	1405093-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	98.0		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	127		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-009 Comp	**Lab Sample ID:**	1405093-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	160		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	38		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	10		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	19		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	5.1		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	52		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	35		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	34		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-009 Comp	**Lab Sample ID:**	1405093-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-009 Comp	**Lab Sample ID:**	1405093-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	120		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	116		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	111		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-009 Comp	**Lab Sample ID:**	1405093-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	103		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	132		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-007 Comp	**Lab Sample ID:**	1405093-030A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	160		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	31		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	7.5		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	15		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	7.1		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	35		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	23		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	31		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-007 Comp	**Lab Sample ID:**	1405093-030A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-007 Comp	**Lab Sample ID:**	1405093-030A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	118		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	117		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	112		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-007 Comp	**Lab Sample ID:**	1405093-030A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/14/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	103		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	110		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-006 Comp	**Lab Sample ID:**	1405093-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/15/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	160		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	33		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	9.0		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	13		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	5.2		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	36		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	29		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	28		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-006 Comp	**Lab Sample ID:**	1405093-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/15/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-006 Comp	**Lab Sample ID:**	1405093-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/15/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	122		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	123		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	115		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-006 Comp	**Lab Sample ID:**	1405093-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/15/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	83.4		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	16		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	114		%	420743	11676

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-005 Comp	**Lab Sample ID:**	1405093-038A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/16/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/19/14	05/20/14	1	0.20	5.0	ND		mg/Kg	420712	11679
Arsenic	SW6010B	5/19/14	05/20/14	1	0.25	1.7	ND		mg/Kg	420712	11679
Barium	SW6010B	5/19/14	05/20/14	1	0.07	5.0	120		mg/Kg	420712	11679
Beryllium	SW6010B	5/19/14	05/20/14	1	0.0800	2.0	ND		mg/Kg	420712	11679
Cadmium	SW6010B	5/19/14	05/20/14	1	0.0550	1.0	ND		mg/Kg	420712	11679
Chromium	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	16		mg/Kg	420712	11679
Cobalt	SW6010B	5/19/14	05/20/14	1	0.055	5.0	ND		mg/Kg	420712	11679
Copper	SW6010B	5/19/14	05/20/14	1	0.650	5.0	20		mg/Kg	420712	11679
Lead	SW6010B	5/19/14	05/20/14	1	0.14	1.0	3.6		mg/Kg	420712	11679
Molybdenum	SW6010B	5/19/14	05/20/14	1	0.120	5.0	ND		mg/Kg	420712	11679
Nickel	SW6010B	5/19/14	05/20/14	1	0.0500	5.0	22		mg/Kg	420712	11679
Selenium	SW6010B	5/19/14	05/20/14	1	0.42	5.0	ND		mg/Kg	420712	11679
Silver	SW6010B	5/19/14	05/20/14	1	0.37	1.0	ND		mg/Kg	420712	11679
Thallium	SW6010B	5/19/14	05/20/14	1	0.49	0.75	ND		mg/Kg	420712	11679
Vanadium	SW6010B	5/19/14	05/20/14	1	0.18	5.0	13		mg/Kg	420712	11679
Zinc	SW6010B	5/19/14	05/20/14	1	0.25	5.0	43		mg/Kg	420712	11679

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/19/14	05/20/14	1	0.2	0.50	ND		mg/Kg	420709	11671

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-005 Comp	**Lab Sample ID:**	1405093-038A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/16/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/19/14	1	4.4	10	ND		ug/Kg	420726	NA
Chloromethane	SW8260B	NA	05/19/14	1	4.6	10	ND		ug/Kg	420726	NA
Vinyl Chloride	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
Bromomethane	SW8260B	NA	05/19/14	1	4.7	10	ND		ug/Kg	420726	NA
Trichlorofluoromethane	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
1,1-Dichloroethene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
Freon 113	SW8260B	NA	05/19/14	1	3.7	10	ND		ug/Kg	420726	NA
Methylene Chloride	SW8260B	NA	05/19/14	1	2.0	50	ND		ug/Kg	420726	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
MTBE	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
tert-Butanol	SW8260B	NA	05/19/14	1	21	50	ND		ug/Kg	420726	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,1-Dichloroethane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
ETBE	SW8260B	NA	05/19/14	1	2.4	10	ND		ug/Kg	420726	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
2,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Bromochloromethane	SW8260B	NA	05/19/14	1	2.3	10	ND		ug/Kg	420726	NA
Chloroform	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
Carbon Tetrachloride	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
1,1,1-Trichloroethane	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Benzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
TAME	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dichloroethane	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Trichloroethylene	SW8260B	NA	05/19/14	1	3.9	10	ND		ug/Kg	420726	NA
Dibromomethane	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichloropropane	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
Bromodichloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Toluene	SW8260B	NA	05/19/14	1	0.98	10	ND		ug/Kg	420726	NA
Tetrachloroethylene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2-Trichloroethane	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
Dibromochloromethane	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,3-Dichloropropane	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
1,2-Dibromoethane	SW8260B	NA	05/19/14	1	1.7	10	ND		ug/Kg	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-005 Comp	**Lab Sample ID:**	1405093-038A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/16/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
Chlorobenzene	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	0.86	10	ND		ug/Kg	420726	NA
m,p-Xylene	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
o-Xylene	SW8260B	NA	05/19/14	1	0.66	5.0	ND		ug/Kg	420726	NA
Styrene	SW8260B	NA	05/19/14	1	0.77	10	ND		ug/Kg	420726	NA
Bromoform	SW8260B	NA	05/19/14	1	1.9	10	ND		ug/Kg	420726	NA
Isopropyl Benzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
n-Propylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
Bromobenzene	SW8260B	NA	05/19/14	1	1.2	10	ND		ug/Kg	420726	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/19/14	1	3.0	10	ND		ug/Kg	420726	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
1,2,3-Trichloropropane	SW8260B	NA	05/19/14	1	3.3	10	ND		ug/Kg	420726	NA
4-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
2-Chlorotoluene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
tert-Butylbenzene	SW8260B	NA	05/19/14	1	1.4	10	ND		ug/Kg	420726	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/19/14	1	1.1	10	ND		ug/Kg	420726	NA
sec-Butyl Benzene	SW8260B	NA	05/19/14	1	1.6	10	ND		ug/Kg	420726	NA
p-Isopropyltoluene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
1,3-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.8	10	ND		ug/Kg	420726	NA
1,4-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.5	10	ND		ug/Kg	420726	NA
n-Butylbenzene	SW8260B	NA	05/19/14	1	2.2	10	ND		ug/Kg	420726	NA
1,2-Dichlorobenzene	SW8260B	NA	05/19/14	1	1.3	10	ND		ug/Kg	420726	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/19/14	1	4.2	10	ND		ug/Kg	420726	NA
Hexachlorobutadiene	SW8260B	NA	05/19/14	1	2.6	10	ND		ug/Kg	420726	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.1	10	ND		ug/Kg	420726	NA
Naphthalene	SW8260B	NA	05/19/14	1	2.8	10	ND		ug/Kg	420726	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/19/14	1	2.9	10	ND		ug/Kg	420726	NA
(S) Dibromofluoromethane	SW8260B	NA	05/19/14	1	59.8	148	121		%	420726	NA
(S) Toluene-d8	SW8260B	NA	05/19/14	1	55.2	133	117		%	420726	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/19/14	1	55.8	141	110		%	420726	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/13/14
Date Reported: 05/23/14

Client Sample ID:	A-14-005 Comp	**Lab Sample ID:**	1405093-038A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/16/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/19/14	05/19/14	1	30	100	ND		ug/Kg	420726	11689
(S) 4-Bromofluorobenzene	8260TPH	5/19/14	05/19/14	1	43.9	127	97.6		%	420726	11689

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/20/14	05/21/14	1	0.66	2.0	ND		mg/Kg	420743	11676
TPH as Motor Oil (SG)	SW8015B(M)	5/20/14	05/21/14	1	1.0	10	ND		mg/Kg	420743	11676
Pentacosane (S)	SW8015B(M)	5/20/14	05/21/14	1	49.9	144	109		%	420743	11676

MB Summary Report

Work Order:	1405093	**Prep Method:**	3005	**Prep Date:**	05/19/14	**Prep Batch:**	11665
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420693
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	ND	
Arsenic (Dissolved)	0.005	0.009	ND	
Barium (Dissolved)	0.002	0.009	ND	
Beryllium (Dissolved)	0.002	0.005	ND	
Cadmium (Dissolved)	0.001	0.005	ND	
Chromium (Dissolved)	0.002	0.005	ND	
Cobalt (Dissolved)	0.002	0.005	ND	
Copper (Dissolved)	0.003	0.009	ND	
Lead (Dissolved)	0.005	0.014	ND	
Molybdenum (Dissolved)	0.002	0.009	ND	
Nickel (Dissolved)	0.002	0.009	ND	
Selenium (Dissolved)	0.004	0.02	ND	
Silver (Dissolved)	0.002	0.005	ND	
Thallium (Dissolved)	0.004	0.009	ND	
Vanadium (Dissolved)	0.004	0.009	ND	
Zinc (Dissolved)	0.002	0.009	ND	

Work Order:	1405093	**Prep Method:**	7470A	**Prep Date:**	05/19/14	**Prep Batch:**	11670
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420708
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	

Work Order:	1405093	**Prep Method:**	7471	**Prep Date:**	05/19/14	**Prep Batch:**	11671
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420709
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1405093	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/20/14	**Prep Batch:**	11676
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420742
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	1.6	
Pentacosane (S)			139	

Work Order:	1405093	**Prep Method:**	3510_TPHSG	**Prep Date:**	05/20/14	**Prep Batch:**	11678
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420744
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	ND	
TPH as Motor Oil (SG)	0.0920	0.40	ND	
Pentacosane (S)			94.9	

Work Order:	1405093	**Prep Method:**	3050	**Prep Date:**	05/19/14	**Prep Batch:**	11679
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420712
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.56	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	0.055	
Chromium	0.050	5.0	0.17	
Cobalt	0.055	5.0	0.075	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.30	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.18	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.28	

MB Summary Report

Work Order:	1405093	**Prep Method:**	5035	**Prep Date:**	05/19/14	**Prep Batch:**	11689
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420726
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			119	

Work Order:	1405093	**Prep Method:**	5035	**Prep Date:**	05/20/14	**Prep Batch:**	11695
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420735
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			113	

Work Order:	1405093	**Prep Method:**	5030	**Prep Date:**	05/20/14	**Prep Batch:**	11712
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420763
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	40	
(S) 4-Bromofluorobenzene			78.0	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420726
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420726
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	
(S) Dibromofluoromethane			113	
(S) Toluene-d8			115	
(S) 4-Bromofluorobenzene			109	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420735
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420735
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	
(S) Dibromofluoromethane			110	
(S) Toluene-d8			114	
(S) 4-Bromofluorobenzene			109	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420763
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.18	0.50	ND	
Chloromethane	0.16	0.50	ND	
Vinyl Chloride	0.16	0.50	ND	
Bromomethane	0.18	0.50	ND	
Trichlorofluoromethane	0.18	0.50	ND	
1,1-Dichloroethene	0.15	0.50	ND	
Freon 113	0.19	0.50	ND	
Methylene Chloride	0.23	5.0	ND	
trans-1,2-Dichloroethene	0.19	0.50	ND	
MTBE	0.17	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.13	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.17	0.50	ND	
cis-1,2-Dichloroethene	0.19	0.50	ND	
2,2-Dichloropropane	0.15	0.50	ND	
Bromochloromethane	0.20	0.50	ND	
Chloroform	0.13	0.50	ND	
Carbon Tetrachloride	0.15	0.50	ND	
1,1,1-Trichloroethane	0.097	0.50	ND	
1,1-Dichloropropene	0.15	0.50	ND	
Benzene	0.13	0.50	ND	
TAME	0.17	0.50	ND	
1,2-Dichloroethane	0.14	0.50	ND	
Trichloroethylene	0.13	0.50	ND	
Dibromomethane	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.13	0.50	ND	
cis-1,3-Dichloropropene	0.096	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.14	0.50	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
1,1,2-Trichloroethane	0.14	0.50	ND	
Dibromochloromethane	0.096	0.50	ND	
1,3-Dichloropropane	0.10	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.096	0.50	ND	
m,p-Xylene	0.13	1.0	ND	
o-Xylene	0.15	0.50	ND	

MB Summary Report

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420763
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.21	0.50	ND	
Bromoform	0.21	1.0	ND	
Isopropyl Benzene	0.097	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.11	0.50	ND	
n-Propylbenzene	0.078	0.50	ND	
2-Chlorotoluene	0.076	0.50	ND	
1,3,5,-Trimethylbenzene	0.074	0.50	ND	
4-Chlorotoluene	0.088	0.50	ND	
tert-Butylbenzene	0.081	0.50	ND	
1,2,3-Trichloropropane	0.14	0.50	ND	
1,2,4-Trimethylbenzene	0.083	0.50	ND	
sec-Butyl Benzene	0.092	0.50	ND	
p-Isopropyltoluene	0.093	0.50	ND	
1,3-Dichlorobenzene	0.10	0.50	ND	
1,4-Dichlorobenzene	0.069	0.50	ND	
n-Butylbenzene	0.081	0.50	ND	
1,2-Dichlorobenzene	0.057	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND	
Hexachlorobutadiene	0.19	0.50	ND	
1,2,4-Trichlorobenzene	0.12	0.50	ND	
Naphthalene	0.14	1.0	ND	
1,2,3-Trichlorobenzene	0.23	0.50	ND	
(S) Dibromofluoromethane			84.2	
(S) Toluene-d8			82.8	
(S) 4-Bromofluorobenzene			87.5	
Ethanol	0.21	0.50	ND	TIC

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	3005	**Prep Date:**	05/19/14	**Prep Batch:**	11665
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420693
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	ND	1	88.0	88.0	0.209	80 - 120	20	
Arsenic (Dissolved)	0.005	0.009	ND	1	94.5	94.6	0.366	80 - 120	20	
Barium (Dissolved)	0.002	0.009	ND	1	95.2	95.3	0.354	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	ND	1	91.1	101	10.4	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	ND	1	92.4	91.6	1.39	80 - 120	20	
Chromium (Dissolved)	0.002	0.005	ND	1	94.0	93.7	0.283	80 - 120	20	
Cobalt (Dissolved)	0.002	0.005	ND	1	92.5	93.6	0.755	80 - 120	20	
Copper (Dissolved)	0.003	0.009	ND	1	94.6	93.8	1.26	80 - 120	20	
Lead (Dissolved)	0.005	0.014	ND	1	94.5	94.5	0.517	80 - 120	20	
Molybdenum (Dissolved)	0.002	0.009	ND	1	95.5	93.8	2.28	80 - 120	20	
Nickel (Dissolved)	0.002	0.009	ND	1	94.7	94.1	0.886	80 - 120	20	
Selenium (Dissolved)	0.004	0.02	ND	1	93.9	93.9	0.0326	80 - 120	20	
Silver (Dissolved)	0.002	0.005	ND	1	93.1	93.1	0.165	80 - 120	20	
Thallium (Dissolved)	0.004	0.009	ND	1	94.7	94.9	0.0108	80 - 120	20	
Vanadium (Dissolved)	0.004	0.009	ND	1	95.4	95.7	0.782	80 - 120	20	
Zinc (Dissolved)	0.002	0.009	ND	1	93.5	93.7	0.239	80 - 120	20	

Work Order:	1405093	**Prep Method:**	7470A	**Prep Date:**	05/19/14	**Prep Batch:**	11670
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420708
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	0.015	114	116	2.21	80 - 120	20	

Work Order:	1405093	**Prep Method:**	7471	**Prep Date:**	05/19/14	**Prep Batch:**	11671
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420709
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	101	98.8	2.33	80.5 - 133	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/20/14	**Prep Batch:**	11676
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420742
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	80.1	77.8	2.86	50.8 - 111	30	
Pentacosane (S)			1.6	100	121	121		49.9 - 144		

Work Order:	1405093	**Prep Method:**	3510_TPHSG	**Prep Date:**	05/20/14	**Prep Batch:**	11678
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420744
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	ND	1	73.1	67.6	7.80	36.5 - 91.3	30	
Pentacosane (S)			ND	100	100	101		50.8 - 139		

Work Order:	1405093	**Prep Method:**	3050	**Prep Date:**	05/19/14	**Prep Batch:**	11679
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420712
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	99.1	97.0	2.15	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	98.6	96.6	2.07	71 - 121	30	
Barium	0.07	5.0	0.56	50	102	96.5	5.58	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	96.4	93.9	2.18	73.3 - 115	30	
Cadmium	0.055	1.0	0.055	50	97.4	92.8	4.84	68.7 - 110	30	
Chromium	0.050	5.0	0.17	50	102	96.5	5.55	76 - 116	30	
Cobalt	0.055	5.0	0.075	50	101	95.2	5.92	57.4 - 122	30	
Copper	0.65	5.0	ND	50	103	98.1	4.86	74.8 - 119	30	
Lead	0.14	1.0	0.30	50	99.5	97.4	2.16	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	104	98.0	5.92	62.9 - 123	30	
Nickel	0.050	5.0	0.18	50	98.2	92.9	5.54	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	93.9	91.3	2.81	62 - 111	30	
Silver	0.37	1.0	ND	50	99.3	94.5	4.93	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	97.8	95.9	1.96	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	101	96.8	4.25	65.8 - 122	30	
Zinc	0.25	5.0	0.28	50	96.2	90.7	5.85	59.9 - 122	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	5035	**Prep Date:**	05/19/14	**Prep Batch:**	11689
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420726
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	94.8	97.5	2.77	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			119	50	125	116		43.9 - 127		

Work Order:	1405093	**Prep Method:**	5035	**Prep Date:**	05/20/14	**Prep Batch:**	11695
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420735
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	86.2	91.9	6.44	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			113	50	116	114		43.9 - 127		

Work Order:	1405093	**Prep Method:**	5030	**Prep Date:**	05/20/14	**Prep Batch:**	11712
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420763
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	40	238.1	102	110	7.90	52.4 - 127	30	
(S) 4-Bromofluorobenzene			78.0	11.9	71.3	71.1		41.5 - 125		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420726
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	107	119	10.1	53.7 - 139	30	
Benzene	1.5	10	ND	50	105	115	9.20	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	104	111	6.92	57.5 - 150	30	
Toluene	0.98	10	ND	50	104	116	10.6	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	96.7	108	10.9	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	111	112		59.8 - 148		
(S) Toluene-d8			ND	50	117	119		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	106	103		55.8 - 141		

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420735
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	96.6	99.5	2.96	53.7 - 139	30	
Benzene	1.5	10	ND	50	96.9	99.9	2.91	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	94.2	97.4	3.38	57.5 - 150	30	
Toluene	0.98	10	ND	50	96.4	99.2	2.86	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	89.6	92.4	3.12	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	111	110		59.8 - 148		
(S) Toluene-d8			ND	50	116	114		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	103	104		55.8 - 141		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420763
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	99.8	105	5.65	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	89.8	93.1	3.80	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	106	106	0.116	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	101	99.5	1.30	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	102	100	1.82	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.9	78.1	84.4		61.2 - 131		
(S) Toluene-d8			ND	11.9	81.3	82.2		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.9	80.7	78.8		64.1 - 120		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	3005	**Prep Date:**	05/19/14	**Prep Batch:**	11665
Matrix:	**Water**	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/19/14	**Analytical Batch:**	420693
Spiked Sample:	1405093-017B						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	0.00	1	91.9	96.0	4.21	75 - 125	20	
Arsenic (Dissolved)	0.005	0.009	0.00	1	98.2	102	3.67	75 - 125	20	
Barium (Dissolved)	0.002	0.009	0.217	1	92.4	93.7	0.730	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	0	1	95.7	100	4.89	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	0.00	1	89.4	92.3	2.68	75 - 125	20	
Chromium (Dissolved)	0.002	0.005	0.00	1	91.6	94.7	2.87	75 - 125	20	
Cobalt (Dissolved)	0.002	0.005	0.00	1	88.7	91.6	3.05	75 - 125	20	
Copper (Dissolved)	0.003	0.009	0.00	1	92.0	94.1	2.23	75 - 125	20	
Lead (Dissolved)	0.005	0.014	0.00	1	90.0	93.0	3.46	75 - 125	20	
Molybdenum (Dissolved)	0.002	0.009	0.00	1	96.3	99.8	3.53	75 - 125	20	
Nickel (Dissolved)	0.002	0.009	0.00	1	88.3	91.4	2.87	75 - 125	20	
Selenium (Dissolved)	0.004	0.02	0.00	1	100	108	6.78	75 - 125	20	
Silver (Dissolved)	0.002	0.005	0.00	1	92.4	94.2	2.32	75 - 125	20	
Thallium (Dissolved)	0.004	0.009	0.00	1	88.4	92.5	4.08	75 - 125	20	
Vanadium (Dissolved)	0.004	0.009	0.00	1	97.6	99.6	2.26	75 - 125	20	
Zinc (Dissolved)	0.002	0.009	0.0097	1	89.8	91.8	2.04	75 - 125	20	

Work Order:	1405093	**Prep Method:**	7470A	**Prep Date:**	05/19/14	**Prep Batch:**	11670
Matrix:	**Water**	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420708
Spiked Sample:	1405093-008B						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	0.00013	0.015	105	120	12.9	75 - 125	20	

Work Order:	1405093	**Prep Method:**	7471	**Prep Date:**	05/19/14	**Prep Batch:**	11671
Matrix:	**Soil**	**Analytical Method:**	SW7471A	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420709
Spiked Sample:	1405093-007A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	0.0005	1.25	91.2	96.3	5.29	60 - 140	30	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405093	**Prep Method:**	3050	**Prep Date:**	05/19/14	**Prep Batch:**	11679
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/20/14	**Analytical Batch:**	420712
Spiked Sample:	1405093-007A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.00	50	78.0	81.5	4.38	30.7 - 130	30	
Arsenic	0.25	1.7	0.045	50	82.8	81.6	1.40	71 - 121	30	
Barium	0.07	5.0	2.8	50	90.2	103	3.51	70.2 - 130	30	
Beryllium	0.0800	2.0	0.00	50	86.2	93.7	8.56	73.3 - 115	30	
Cadmium	0.055	1.0	0.00	50	88.6	90.5	2.13	68.7 - 110	30	
Chromium	0.050	5.0	0.73	50	97.2	100	1.86	76 - 116	30	
Cobalt	0.055	5.0	0.18	50	82.9	84.3	1.28	57.4 - 122	30	
Copper	0.65	5.0	0.33	50	95.6	97.2	0.926	74.8 - 119	30	
Lead	0.14	1.0	0.11	50	88.2	87.5	0.708	67.9 - 118	30	
Molybdenum	0.12	5.0	0.00	50	85.3	87.6	2.60	62.9 - 123	30	
Nickel	0.050	5.0	0.96	50	80.4	83.8	2.14	61.5 - 122	30	
Selenium	0.42	5.0	0.00	50	89.2	82.3	8.10	62 - 111	30	
Silver	0.37	1.0	0.00	50	89.7	93.2	3.87	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	79.5	81.7	2.71	39.2 - 125	30	
Vanadium	0.18	5.0	0.63	50	92.4	98.1	3.86	65.8 - 122	30	
Zinc	0.25	5.0	0.80	50	81.1	85.6	2.82	59.9 - 122	30	

Work Order:	1405093	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/20/14	**Prep Batch:**	11676
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/21/14	**Analytical Batch:**	420743
Spiked Sample:	1405093-038A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	10.92135	25	103	99.3	4.61	50.8 - 111	30	
Pentacosane (S)				100	136	116		49.9 - 144		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1405093

Date and Time Received: 5/13/2014 9:10

Received By: ps

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: Torrent Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?	Yes	Temperature: 4	°C
Water-VOA vials have zero headspace?	Yes		
Water-pH acceptable upon receipt?	No		

pH Checked by: ldi

pH Adjusted by: pH<2

Recv'd Trip-Blank NOT on COC.Temp. Blank = 4'C

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/13/2014
Report Due Date:	5/23/2014		**Time Received:**	9:10

Comments: 5/15/14. Received 2 samples labelled A-14-009 18.5'-20', no sample labeled A-14-007 18.5'-20'. Difference between two samples determined based on soil characteristics (color, consistency) described by client.

Work Order # : ***1405093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405093-001A	A-14-015-10'	05/12/14 22:44	Soil	11/09/14				
							Composite	
1405093-002A	A-14-015-20'	05/12/14 23:03	Soil	11/09/14				
							Composite	
1405093-003A	A-14-015-30'	05/12/14 23:30	Soil	11/09/14				
							Composite	
1405093-004A	A-14-014-10'	05/13/14 1:33	Soil	11/09/14				
							Composite	
1405093-005A	A-14-014-20'	05/13/14 2:03	Soil	11/09/14				
							Composite	
1405093-006A	A-14-014-30'	05/13/14 2:40	Soil	11/09/14				
							Composite	
1405093-007A	A-14-013-10'	05/13/14 3:30	Soil	11/09/14				
							S_7471BHG S_6010BCAM17 S_GCMS-GRO S_8260Full S_TPHDOSG	
1405093-008A	A-14-013	05/13/14 3:50	Water	11/09/14				
							W_GCMS-GRO W_8260Full	
1405093-008B	A-14-013	05/13/14 3:50	Water	11/09/14				
							W_D6010BCAM17 W_D7470AHG	
Sample Note:	Lab to filter and preserve for Metals							
1405093-008C	A-14-013	05/13/14 3:50	Water	11/09/14				
							W_TPHDOSG	
1405093-009A	Trip Blank	05/13/14	Water	11/09/14				
							W_8260Full	
Sample Note:	Recv'd Trip-Blank NOT on COC							
1405093-010A	Comp A-14-015 (10', 20', 30')	05/13/14	Soil	11/09/14				
							S_7471BHG S_GCMS-GRO S_TPHDOSG	

Login Summary Report

Client ID:	TL5377 URS (Oakland)	**QC Level:**	
Project Name:	I-680	**TAT Requested:**	5+ day:0
Project # :	28645477.23001	**Date Received:**	5/13/2014
Report Due Date:	5/23/2014	**Time Received:**	9:10

Comments: 5/15/14. Received 2 samples labelled A-14-009 18.5'-20', no sample labeled A-14-007 18.5'-20'. Difference between two samples determined based on soil characteristics (color, consistency) described by client.

Work Order # : ***1405093***

WO Sample ID	Client Sample ID	Collection Date/Time		Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405093-011A	Comp A-14-014 (10', 20', 30'	05/13/14		Soil	11/09/14			S_8260Full S_6010BCAM17	
1405093-012A	A-14-012A 8.5'-10'	05/13/14	22:11	Soil	11/09/14			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1405093-013A	A-14-012A	05/13/14	22:53	Water	11/09/14			S_7471BHG S_6010BCAM17 S_TPHDOSG S_8260Full S_GCMS-GRO	
1405093-013B	A-14-012A	05/13/14	22:53	Water	11/09/14			W_GCMS-GRO W_8260Full	
1405093-013C	A-14-012A	05/13/14	22:53	Water	11/09/14			W_D6010BCAM17 W_D7470AHG	
1405093-014A	A-14-012 8.5'-10'	05/13/14	0:51	Soil	11/09/14			W_TPHDOSG	
1405093-015A	A-14-012	05/13/14	1:11	Water	11/09/14			S_7471BHG S_6010BCAM17 S_TPHDOSG S_GCMS-GRO S_8260Full	
1405093-015B	A-14-012	05/13/14	1:11	Water	11/09/14			W_GCMS-GRO W_8260Full	
								W_D6010BCAM17 W_D7470AHG	

Sample Note: Samples -012 to -017 recv'd on 5/14/14 @ 5:24 AM w/ temp. 6'C.Lab to filter for metals upon receipt

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/13/2014
Report Due Date:	5/23/2014		**Time Received:**	9:10

Comments: 5/15/14. Received 2 samples labelled A-14-009 18.5'-20', no sample labeled A-14-007 18.5'-20'. Difference between two samples determined based on soil characteristics (color, consistency) described by client.

Work Order # : ***1405093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405093-015C	A-14-012	05/13/14 1:11	Water	11/09/14				
							W_TPHDOSG	
1405093-016A	A-14-011A 8.5'-10'	05/13/14 2:40	Soil	11/09/14				
							S_7471BHG	
							S_8260Full	
							S_TPHDOSG	
							S_GCMS-GRO	
							S_6010BCAM17	
1405093-017A	A-14-011A	05/13/14 3:00	Water	11/09/14				
							W_GCMS-GRO	
							W_8260Full	
1405093-017B	A-14-011A	05/13/14 3:00	Water	11/09/14				
							W_D6010BCAM17	
							W_D7470AHG	
1405093-017C	A-14-011A	05/13/14 3:00	Water	11/09/14				
							W_TPHDOSG	
1405093-018A	Trip Blank	05/13/14 0:00	Water	11/09/14				
							W_8260Full	
Sample Note:	Recv'd 2 trip blank NOT on COC							
1405093-019A	A-14-011 8.5'-10'	05/14/14 22:18	Soil	11/09/14				
							Composite	
Sample Note:	Samples -019A to -027A recv'd on 5/15/14 @ 6:39 @ 4'C.Recv'd 2 samples same ID A-14-009 @ 1805-20'							
1405093-020A	A-14-011 18.5'-20'	05/14/14 22:37	Soil	11/09/14				
							Composite	
1405093-021A	A-14-011 28.5'-30'	05/14/14 23:05	Soil	11/09/14				
							Composite	
1405093-022A	A-14-009 8.5'-10'	05/14/14 23:53	Soil	11/09/14				
							Composite	
1405093-023A	A-14-009 18.5'-20'	05/15/14 12:09	Soil	11/09/14				
							Composite	
1405093-024A	A-14-009 28.5'-30	05/15/14 12:20	Soil	11/09/14				
							Composite	
1405093-025A	A-14-007 8.5'-10'	05/15/14 2:25	Soil	11/09/14				
							Composite	
1405093-026A	A-14-007 18.5'-20'	05/15/14 2:42	Soil	11/09/14				

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/13/2014
Report Due Date:	5/23/2014		**Time Received:**	9:10

Comments: 5/15/14. Received 2 samples labelled A-14-009 18.5'-20', no sample labeled A-14-007 18.5'-20'. Difference between two samples determined based on soil characteristics (color, consistency) described by client.

Work Order # : ***1405093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405093-027A	A-14-007 28.5'-30'	05/15/14 3:05	Soil	11/09/14			Composite	
1405093-028A	A-14-011 Comp	05/14/14	Soil	11/09/14			Composite	
1405093-029A	A-14-009 Comp	05/14/14 0:00	Soil	11/09/14			S_7471BHG S_TPHDOSG S_GCMS-GRO S_8260Full S_6010BCAM17	
1405093-030A	A-14-007 Comp	05/14/14 0:00	Soil	11/09/14			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1405093-031A	A-14-006 8.5'-10'	05/15/14 22:26	Soil	11/09/14			S_7471BHG S_TPHDOSG S_6010BCAM17 S_8260Full S_GCMS-GRO	
1405093-032A	A-14-006 18.5'-20'	05/15/14 22:44	Soil	11/09/14			Composite	
1405093-033A	A-14-006 28.5'-30'	05/15/14 23:04	Soil	11/09/14			Composite	
1405093-034A	A-14-005 8.5'-10'	05/16/14 2:00	Soil	11/09/14			Composite	
1405093-035A	A-14-005 18.5'-20'	05/16/14 0:33	Soil	11/09/14			Composite	
1405093-036A	A-14-005 28.5'-30'	05/16/14 1:11	Soil	11/09/14			Composite	
1405093-037A	A-14-006 Comp	05/15/14 0:00	Soil	11/09/14			Composite	
							S_7471BHG S_TPHDOSG	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/13/2014
Report Due Date:	5/23/2014		**Time Received:**	9:10

Comments: 5/15/14. Received 2 samples labelled A-14-009 18.5'-20', no sample labeled A-14-007 18.5'-20'. Difference between two samples determined based on soil characteristics (color, consistency) described by client.

Work Order # : ***1405093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405093-038A	A-14-005 Comp	05/16/14 0:00	Soil	11/09/14			S_6010BCAM17 S_8260Full S_GCMS-GRO S_7471BHG S_TPHDOSG S_GCMS-GRO S_8260Full S_6010BCAM17	

Torrent LABORATORY, INC.

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FAX: 408.263.8293
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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405093

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland | State: CA | Zip Code: 94612
Telephone: 510-874-3196 | FAX: 510-874-3268
REPORT TO: Suzanne Nase/Joe Morgan | SAMPLER: Joe Bandel

Location of Sampling: I-680
Purpose: waste characterization
Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Analyze water for dissolved metals. Composite soil samples from same locations
P.O. #: 28645477.23001 | EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Next Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo						REMARKS
-001A	A-14-015 10'	5/12/14 22:44	Soil	1	brass tube	✓	✓	✓	✓	✓						composite [redacted]
-002A	A-14-015 20'	23:03	Soil	1	brass tube	✓	✓	✓	✓	✓	-010A					all sample depths from
-003A	A-14-015 30'	23:30	Soil	1	brass tube	✓	✓	✓	✓	✓						same location
-004A	A-14-014 10'	5/13/14 1:33	Soil	1	brass tube	✓	✓	✓	✓	✓						
-005A	A-14-014 20'	2:03	Soil	1	brass tube	✓	✓	✓	✓	✓	-011A					composite all
-006A	A-14-014 30'	2:40	Soil	1	brass tube	✓	✓	✓	✓	✓						sample depths
-007A	A-14-013 10'	3:30	Soil	1	brass tube	✓	✓	✓	✓	✓						
-008A	A-14-013	3:50	GW	5	3 VOAs 1 Amber	✓	✓	✓	✓	✓						
-009A	Trip-Blank															

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHUTHOMMAKA	5/13/14	7:30	[signature]		5/13/14	09:10
2								

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment _____ Sample seals intact? [ ] Yes [ ] NO [x] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 1 of 1

Temp in ice

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405093

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: ~~Joe Bandel~~ MADHU THU MUMMADI	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-012A	A-14-012A 8.5'-10'	5/13/14 22:11	SOIL	1	Steel Tube	✓	✓	✓	✓	✓					
	~~A-14-012A 18.5'-20' 5/13/14~~														
-013A->C	A-14-012A	5/13/14 22:53	GW	6	3 VOLTS 1 POLY 2 AMBER	✓	✓	✓	✓	✓					
-014A	A-14-012 ~~A-14-011A~~ 8.5'-10'	5/14/14 12:51	SOIL	1	Steel Tube	✓	✓	✓	✓	✓					
-015A->C	A-14-012	5/14/14 1:11	GW	6	3 VOLTS 1 POLY 2 AMBER	✓	✓	✓	✓	✓					
-016A	A-14-011A 8.5'-10'	5/14/14 2:40	SOIL	1	Steel Tube	✓	✓	✓	✓	✓					
-017A->C	A-14-011A	5/14/14 3:00	GW	6	3 VOLTS 1 POLY 2 AMBER	✓	✓	✓	✓	✓					
-018A	Trip Blank	5/14/14													Rec'd added to COC 5/14/14

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALOW	5/14/14	05:24	[signature]	[signature]	5/14/14	05:24
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment Torrent P/U Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: ~~RECEIVED LIR LBL~~ RP LIR Date: ____ Log In Reviewed By: ____ Date: Temp 6°C

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405093

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: ~~Joe Bandel~~ MADHU THU THUMMALU	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-19A	A-14-011 8.5'-10'	5/14/14 22:18	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
-20A	A-14-011 18.5'-20'	5/14/14 22:37	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓		028A			
-021A	A-14-011 28.5'-30'	5/14/14 23:05	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
-022A	A-14-009 8.5'-10'	5/14/14 23:53	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
-023A	A-14-009 18.5'-20'	5/15/14 12:09	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓		029A			
-024A	A-14-009 28.5'-30'	5/15/14 12:20	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
-025A	A-14-007 8.5'-10'	5/15/14 2:25	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
-026A	A-14-007 18.5'-20'	5/15/14 2:42	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓		030A			
-027A	A-14-007 28.5'-30'	5/15/14 3:05	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALU	5/14/14	~~5-15-14~~	Rogelio madrigal		5-15-14	
2	Rogelio madrigal		5-15-14	6:39	[signature]	J.D. Imuad	5-15-14	6:39

Were Samples Received in Good Condition? [x] Yes [ ] NO Samples on Ice? [x] Yes [ ] NO Method of Shipment D/O Sample seals intact? [ ] Yes [ ] NO [x] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 4°C Page 1 of 1

Date: Log In Reviewed By: Date:

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405093

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: ~~Joe Bandel~~ MADHU THUMMALA	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
031A	A-44-006 8.5'-10'	5/15/14 22:26	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
032A	A-44-006 18.5'-20'	5/15/14 22:44	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓		037			
033A	A-44-006 28.5'-30'	5/15/14 23:07	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
034A	A-44-005 8.5'-10'	5/16/14 12:02	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					
035A	A-44-005 18.5'-20'	5/16/14 12:33	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓		038			
036A	A-44-005 28.5'-30'	5/16/14 1:11	SOIL	1	STEEL TUBE	✓	✓	✓	✓	✓					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALA	5/16/14		[signature]	L.D. Imbal	5-16-14	11:06
2								

Were Samples Received in Good Condition? [x] Yes [ ] NO Samples on Ice? [x] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [x] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of 1

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date:

Temp 4°C

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1405093 **Serial #:** CO14-0129 **Print Date:** 5/19/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Change TPHDO to TPHDOSG for 4 water, 11 soil samples	5/19/2014	1:00:00PM	

Page 1 of 1

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URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1405148

Dear Suzanne Nase:

Torrent Laboratory, Inc. received 40 sample(s) on May 23, 2014 for the analyses presented in the following Report.

Three of the samples received were water samples. As instructed on the Chain of Custody forms, 12 3:1 point composites were prepared and analyzed from the 36 soil samples received.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

June 02, 2014

Patti Sandrock
QA Officer

Date

Date: 6/2/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1405148

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method W_D7470A, 1405148-041C MS/MSD, Note:The % recoveries for Mercury are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-016 Composite 1405148-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	97	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	20	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.6	mg/Kg
Copper	SW6010B	1	0.650	5.0	16	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	23	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	31	mg/Kg
Zinc	SW6010B	1	0.25	5.0	37	mg/Kg

A14-017 Composite 1405148-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.2	mg/Kg
Barium	SW6010B	1	0.07	5.0	120	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	17	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	15	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.3	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	38	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-018 Composite 1405148-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	13	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	13	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	14	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	27	mg/Kg
Zinc	SW6010B	1	0.25	5.0	32	mg/Kg

A14-019 Composite 1405148-023

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	90	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	17	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	18	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	36	mg/Kg
Zinc	SW6010B	1	0.25	5.0	41	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-020 Composite 1405148-024

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	17	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	41	mg/Kg

A14-021 Composite 1405148-025

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.4	mg/Kg
Copper	SW6010B	1	0.650	5.0	16	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	36	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-022 Composite 1405148-035

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	13	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.0	mg/Kg
Copper	SW6010B	1	0.650	5.0	11	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.9	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	16	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	35	mg/Kg

A14-023 Composite 1405148-036

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	16	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	13	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	15	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	32	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-024 Composite 1405148-037

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.1	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	26	mg/Kg
Zinc	SW6010B	1	0.25	5.0	39	mg/Kg

A-14-025 1405148-041

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1.17	37	59	45	ug/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.51	mg/L

A-14-029 1405148-049

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.064	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.013	mg/L
Nickel (Dissolved)	SW6010B	1	0.002	0.009	0.021	mg/L
Vanadium (Dissolved)	SW6010B	1	0.004	0.009	0.017	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.0095	mg/L

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

TRIP Blank 1405148-050

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

A14-025 Composite 1405148-051

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	7.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	15	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	12	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.1	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	29	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	34	mg/Kg

A14-026 Composite 1405148-052

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	6.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	21	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.7	mg/Kg
Copper	SW6010B	1	0.650	5.0	21	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	23	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	33	mg/Kg
Zinc	SW6010B	1	0.25	5.0	43	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

A14-029 Composite 1405148-053

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.8	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Copper	SW6010B	1	0.650	5.0	9.3	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.8	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	31	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-016 Composite	**Lab Sample ID:**	1405148-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/19/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	4.3		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	97		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	20		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.6		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	16		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.2		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	23		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	31		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	37		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-016 Composite	**Lab Sample ID:**	1405148-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/19/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-016 Composite	**Lab Sample ID:**	1405148-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/19/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	159	S	%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	135	S	%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	129		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-016 Composite	**Lab Sample ID:**	1405148-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/19/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	111		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	106		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-017 Composite	**Lab Sample ID:**	1405148-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	5.2		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	120		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	17		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.3		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	15		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.3		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	19		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	32		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	38		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-017 Composite	**Lab Sample ID:**	1405148-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-017 Composite	**Lab Sample ID:**	1405148-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	150	S	%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	140	S	%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	132		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-017 Composite	**Lab Sample ID:**	1405148-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	105		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	99.8		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-018 Composite	**Lab Sample ID:**	1405148-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	4.5		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	100		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	13		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	5.8		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	13		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	5.0		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	14		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	27		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	32		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-018 Composite	**Lab Sample ID:**	1405148-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-018 Composite	**Lab Sample ID:**	1405148-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	154	S	%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	143	S	%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	131		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-018 Composite	**Lab Sample ID:**	1405148-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 / 0:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	111		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	112		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-019 Composite	**Lab Sample ID:**	1405148-023A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	3.1		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	90		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	17		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.9		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	18		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.2		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	18		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	36		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	41		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-019 Composite	**Lab Sample ID:**	1405148-023A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-019 Composite	**Lab Sample ID:**	1405148-023A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	158	S	%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	128		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	127		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-019 Composite	**Lab Sample ID:**	1405148-023A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/20/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	117		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	90.2		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-020 Composite	**Lab Sample ID:**	1405148-024A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	3.4		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	110		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	17		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	8.5		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	18		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.5		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	19		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	30		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	41		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-020 Composite	**Lab Sample ID:**	1405148-024A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-020 Composite	**Lab Sample ID:**	1405148-024A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	158	S	%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	136	S	%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	123		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-020 Composite	**Lab Sample ID:**	1405148-024A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	110		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	91.9		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-021 Composite	**Lab Sample ID:**	1405148-025A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	4.4		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	200		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	18		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.4		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	16		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	5.6		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	19		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	32		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	36		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-021 Composite	**Lab Sample ID:**	1405148-025A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-021 Composite	**Lab Sample ID:**	1405148-025A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	146		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	142	S	%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	125		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-021 Composite	**Lab Sample ID:**	1405148-025A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	101		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	110		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-022 Composite	**Lab Sample ID:**	1405148-035A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	4.1		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	110		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	13		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	8.0		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	11		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	4.9		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	16		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	32		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	35		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-022 Composite	**Lab Sample ID:**	1405148-035A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-022 Composite	**Lab Sample ID:**	1405148-035A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	124		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	112		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	111		%	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-022 Composite	**Lab Sample ID:**	1405148-035A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	105		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	96.3		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-023 Composite	**Lab Sample ID:**	1405148-036A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	4.7		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	110		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	16		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.3		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	13		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.0		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	15		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	30		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	32		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-023 Composite	**Lab Sample ID:**	1405148-036A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-023 Composite	**Lab Sample ID:**	1405148-036A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	124		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	108		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	109		%	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-023 Composite	**Lab Sample ID:**	1405148-036A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	92.6		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	107		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-024 Composite	**Lab Sample ID:**	1405148-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	5.6		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	100		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	18		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.5		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	17		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.1		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	19		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	26		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	39		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-024 Composite	**Lab Sample ID:**	1405148-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-024 Composite	**Lab Sample ID:**	1405148-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	139		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	129		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	120		%	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-024 Composite	**Lab Sample ID:**	1405148-037A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	90.9		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	118		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-025	**Lab Sample ID:**	1405148-041A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/22/14 / 23:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	05/30/14	1.17	0.21	0.59	ND		ug/L	420862	NA
Chloromethane	SW8260B	NA	05/30/14	1.17	0.19	0.59	ND		ug/L	420862	NA
Vinyl Chloride	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Bromomethane	SW8260B	NA	05/30/14	1.17	0.21	0.59	ND		ug/L	420862	NA
Trichlorofluoromethane	SW8260B	NA	05/30/14	1.17	0.21	0.59	ND		ug/L	420862	NA
1,1-Dichloroethene	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Freon 113	SW8260B	NA	05/30/14	1.17	0.23	0.59	ND		ug/L	420862	NA
Methylene Chloride	SW8260B	NA	05/30/14	1.17	0.27	5.9	ND		ug/L	420862	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/30/14	1.17	0.23	0.59	ND		ug/L	420862	NA
MTBE	SW8260B	NA	05/30/14	1.17	0.20	0.59	ND		ug/L	420862	NA
tert-Butanol	SW8260B	NA	05/30/14	1.17	1.8	5.9	ND		ug/L	420862	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
1,1-Dichloroethane	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
ETBE	SW8260B	NA	05/30/14	1.17	0.20	0.59	ND		ug/L	420862	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/30/14	1.17	0.23	0.59	ND		ug/L	420862	NA
2,2-Dichloropropane	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Bromochloromethane	SW8260B	NA	05/30/14	1.17	0.24	0.59	ND		ug/L	420862	NA
Chloroform	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
Carbon Tetrachloride	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
1,1,1-Trichloroethane	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
1,1-Dichloropropene	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Benzene	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
TAME	SW8260B	NA	05/30/14	1.17	0.20	0.59	ND		ug/L	420862	NA
1,2-Dichloroethane	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
Trichloroethylene	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
Dibromomethane	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
1,2-Dichloropropane	SW8260B	NA	05/30/14	1.17	0.20	0.59	ND		ug/L	420862	NA
Bromodichloromethane	SW8260B	NA	05/30/14	1.17	0.15	0.59	ND		ug/L	420862	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
Toluene	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
Tetrachloroethylene	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/30/14	1.17	0.26	0.59	ND		ug/L	420862	NA
1,1,2-Trichloroethane	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
Dibromochloromethane	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-025	**Lab Sample ID:**	1405148-041A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/22/14 / 23:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	05/30/14	1.17	0.12	0.59	ND		ug/L	420862	NA
1,2-Dibromoethane	SW8260B	NA	05/30/14	1.17	0.23	0.59	ND		ug/L	420862	NA
Chlorobenzene	SW8260B	NA	05/30/14	1.17	0.17	0.59	ND		ug/L	420862	NA
Ethyl Benzene	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
m,p-Xylene	SW8260B	NA	05/30/14	1.17	0.16	1.2	ND		ug/L	420862	NA
o-Xylene	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Styrene	SW8260B	NA	05/30/14	1.17	0.25	0.59	ND		ug/L	420862	NA
Bromoform	SW8260B	NA	05/30/14	1.17	0.25	1.2	ND		ug/L	420862	NA
Isopropyl Benzene	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
Bromobenzene	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/30/14	1.17	0.13	0.59	ND		ug/L	420862	NA
n-Propylbenzene	SW8260B	NA	05/30/14	1.17	0.091	0.59	ND		ug/L	420862	NA
2-Chlorotoluene	SW8260B	NA	05/30/14	1.17	0.089	0.59	ND		ug/L	420862	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/30/14	1.17	0.087	0.59	ND		ug/L	420862	NA
4-Chlorotoluene	SW8260B	NA	05/30/14	1.17	0.10	0.59	ND		ug/L	420862	NA
tert-Butylbenzene	SW8260B	NA	05/30/14	1.17	0.095	0.59	ND		ug/L	420862	NA
1,2,3-Trichloropropane	SW8260B	NA	05/30/14	1.17	0.16	0.59	ND		ug/L	420862	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/30/14	1.17	0.097	0.59	ND		ug/L	420862	NA
sec-Butyl Benzene	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
p-Isopropyltoluene	SW8260B	NA	05/30/14	1.17	0.11	0.59	ND		ug/L	420862	NA
1,3-Dichlorobenzene	SW8260B	NA	05/30/14	1.17	0.12	0.59	ND		ug/L	420862	NA
1,4-Dichlorobenzene	SW8260B	NA	05/30/14	1.17	0.081	0.59	ND		ug/L	420862	NA
n-Butylbenzene	SW8260B	NA	05/30/14	1.17	0.095	0.59	ND		ug/L	420862	NA
1,2-Dichlorobenzene	SW8260B	NA	05/30/14	1.17	0.067	0.59	ND		ug/L	420862	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/30/14	1.17	0.18	0.59	ND		ug/L	420862	NA
Hexachlorobutadiene	SW8260B	NA	05/30/14	1.17	0.23	0.59	ND		ug/L	420862	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/30/14	1.17	0.14	0.59	ND		ug/L	420862	NA
Naphthalene	SW8260B	NA	05/30/14	1.17	0.16	1.2	ND		ug/L	420862	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/30/14	1.17	0.27	0.59	ND		ug/L	420862	NA
(S) Dibromofluoromethane	SW8260B	NA	05/30/14	1.17	61.2	131	125		%	420862	NA
(S) Toluene-d8	SW8260B	NA	05/30/14	1.17	75.1	127	108		%	420862	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/30/14	1.17	64.1	120	109		%	420862	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-025	**Lab Sample ID:**	1405148-041A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/22/14 / 23:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	5/30/14	05/30/14	1.17	37	59	45	J	ug/L	420862	11779
(S) 4-Bromofluorobenzene	8260TPH	5/30/14	05/30/14	1.17	41.5	125	84.8		%	420862	11779

NOTE: Raised reporting limit - see comment for 8260B analysis.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-025	**Lab Sample ID:**	1405148-041B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/22/14 / 23:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	06/01/14	1	0.0400	0.10	ND		mg/L	420883	11760
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	06/01/14	1	0.0900	0.40	ND		mg/L	420883	11760
Pentacosane (S)	SW8015B(M)	5/29/14	06/01/14	1	50.8	139	71.4		%	420883	11760

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-025	**Lab Sample ID:**	1405148-041C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/22/14 / 23:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	ND		mg/L	420820	11744
Arsenic (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.005	0.009	ND		mg/L	420820	11744
Barium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	0.51		mg/L	420820	11744
Beryllium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Cadmium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.001	0.005	ND		mg/L	420820	11744
Chromium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Cobalt (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Copper (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.003	0.009	ND		mg/L	420820	11744
Lead (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.005	0.014	ND		mg/L	420820	11744
Molybdenum (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	ND		mg/L	420820	11744
Nickel (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	ND		mg/L	420820	11744
Selenium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.02	ND		mg/L	420820	11744
Silver (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Thallium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	ND		mg/L	420820	11744
Vanadium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	ND		mg/L	420820	11744
Zinc (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	ND		mg/L	420820	11744

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/27/14	05/28/14	1	0.00005	0.0002	ND		mg/L	420806	11737

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-029	**Lab Sample ID:**	1405148-049A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 / 3:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	05/30/14	1.11	0.20	0.56	ND		ug/L	420862	NA
Chloromethane	SW8260B	NA	05/30/14	1.11	0.18	0.56	ND		ug/L	420862	NA
Vinyl Chloride	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Bromomethane	SW8260B	NA	05/30/14	1.11	0.20	0.56	ND		ug/L	420862	NA
Trichlorofluoromethane	SW8260B	NA	05/30/14	1.11	0.20	0.56	ND		ug/L	420862	NA
1,1-Dichloroethene	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Freon 113	SW8260B	NA	05/30/14	1.11	0.21	0.56	ND		ug/L	420862	NA
Methylene Chloride	SW8260B	NA	05/30/14	1.11	0.26	5.6	ND		ug/L	420862	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/30/14	1.11	0.21	0.56	ND		ug/L	420862	NA
MTBE	SW8260B	NA	05/30/14	1.11	0.19	0.56	ND		ug/L	420862	NA
tert-Butanol	SW8260B	NA	05/30/14	1.11	1.7	5.6	ND		ug/L	420862	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
1,1-Dichloroethane	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
ETBE	SW8260B	NA	05/30/14	1.11	0.19	0.56	ND		ug/L	420862	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/30/14	1.11	0.21	0.56	ND		ug/L	420862	NA
2,2-Dichloropropane	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Bromochloromethane	SW8260B	NA	05/30/14	1.11	0.23	0.56	ND		ug/L	420862	NA
Chloroform	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
Carbon Tetrachloride	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
1,1,1-Trichloroethane	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA
1,1-Dichloropropene	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Benzene	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
TAME	SW8260B	NA	05/30/14	1.11	0.19	0.56	ND		ug/L	420862	NA
1,2-Dichloroethane	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
Trichloroethylene	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
Dibromomethane	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
1,2-Dichloropropane	SW8260B	NA	05/30/14	1.11	0.19	0.56	ND		ug/L	420862	NA
Bromodichloromethane	SW8260B	NA	05/30/14	1.11	0.14	0.56	ND		ug/L	420862	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA
Toluene	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
Tetrachloroethylene	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/30/14	1.11	0.25	0.56	ND		ug/L	420862	NA
1,1,2-Trichloroethane	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
Dibromochloromethane	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-029	**Lab Sample ID:**	1405148-049A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 / 3:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA
1,2-Dibromoethane	SW8260B	NA	05/30/14	1.11	0.21	0.56	ND		ug/L	420862	NA
Chlorobenzene	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
Ethyl Benzene	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA
m,p-Xylene	SW8260B	NA	05/30/14	1.11	0.15	1.1	ND		ug/L	420862	NA
o-Xylene	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Styrene	SW8260B	NA	05/30/14	1.11	0.23	0.56	ND		ug/L	420862	NA
Bromoform	SW8260B	NA	05/30/14	1.11	0.23	1.1	ND		ug/L	420862	NA
Isopropyl Benzene	SW8260B	NA	05/30/14	1.11	0.11	0.56	ND		ug/L	420862	NA
Bromobenzene	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/30/14	1.11	0.12	0.56	ND		ug/L	420862	NA
n-Propylbenzene	SW8260B	NA	05/30/14	1.11	0.086	0.56	ND		ug/L	420862	NA
2-Chlorotoluene	SW8260B	NA	05/30/14	1.11	0.084	0.56	ND		ug/L	420862	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/30/14	1.11	0.082	0.56	ND		ug/L	420862	NA
4-Chlorotoluene	SW8260B	NA	05/30/14	1.11	0.098	0.56	ND		ug/L	420862	NA
tert-Butylbenzene	SW8260B	NA	05/30/14	1.11	0.090	0.56	ND		ug/L	420862	NA
1,2,3-Trichloropropane	SW8260B	NA	05/30/14	1.11	0.16	0.56	ND		ug/L	420862	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/30/14	1.11	0.092	0.56	ND		ug/L	420862	NA
sec-Butyl Benzene	SW8260B	NA	05/30/14	1.11	0.10	0.56	ND		ug/L	420862	NA
p-Isopropyltoluene	SW8260B	NA	05/30/14	1.11	0.10	0.56	ND		ug/L	420862	NA
1,3-Dichlorobenzene	SW8260B	NA	05/30/14	1.11	0.12	0.56	ND		ug/L	420862	NA
1,4-Dichlorobenzene	SW8260B	NA	05/30/14	1.11	0.076	0.56	ND		ug/L	420862	NA
n-Butylbenzene	SW8260B	NA	05/30/14	1.11	0.090	0.56	ND		ug/L	420862	NA
1,2-Dichlorobenzene	SW8260B	NA	05/30/14	1.11	0.063	0.56	ND		ug/L	420862	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/30/14	1.11	0.17	0.56	ND		ug/L	420862	NA
Hexachlorobutadiene	SW8260B	NA	05/30/14	1.11	0.22	0.56	ND		ug/L	420862	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/30/14	1.11	0.13	0.56	ND		ug/L	420862	NA
Naphthalene	SW8260B	NA	05/30/14	1.11	0.15	1.1	ND		ug/L	420862	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/30/14	1.11	0.26	0.56	ND		ug/L	420862	NA
(S) Dibromofluoromethane	SW8260B	NA	05/30/14	1.11	61.2	131	120		%	420862	NA
(S) Toluene-d8	SW8260B	NA	05/30/14	1.11	75.1	127	107		%	420862	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/30/14	1.11	64.1	120	115		%	420862	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-029	**Lab Sample ID:**	1405148-049A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 / 3:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	5/30/14	05/30/14	1.11	35	56	ND		ug/L	420862	11779
(S) 4-Bromofluorobenzene	8260TPH	5/30/14	05/30/14	1.11	41.5	125	88.2		%	420862	11779

NOTE: Raised reporting limit - see comment for 8260B analysis.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-029	**Lab Sample ID:**	1405148-049B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 / 3:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	06/01/14	1	0.0400	0.10	ND		mg/L	420883	11760
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	06/01/14	1	0.0900	0.40	ND		mg/L	420883	11760
Pentacosane (S)	SW8015B(M)	5/29/14	06/01/14	1	50.8	139	70.9		%	420883	11760

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A-14-029	**Lab Sample ID:**	1405148-049C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 / 3:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	ND		mg/L	420820	11744
Arsenic (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.005	0.009	ND		mg/L	420820	11744
Barium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	0.064		mg/L	420820	11744
Beryllium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Cadmium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.001	0.005	ND		mg/L	420820	11744
Chromium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Cobalt (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Copper (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.003	0.009	ND		mg/L	420820	11744
Lead (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.005	0.014	ND		mg/L	420820	11744
Molybdenum (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	0.013		mg/L	420820	11744
Nickel (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	0.021		mg/L	420820	11744
Selenium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.02	ND		mg/L	420820	11744
Silver (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.005	ND		mg/L	420820	11744
Thallium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	ND		mg/L	420820	11744
Vanadium (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.004	0.009	0.017		mg/L	420820	11744
Zinc (Dissolved)	SW6010B	5/27/14	05/28/14	1	0.002	0.009	0.0095		mg/L	420820	11744

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	5/27/14	05/28/14	1	0.00005	0.0002	ND		mg/L	420806	11737

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	TRIP Blank	**Lab Sample ID:**	1405148-050A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/30/14	1	0.18	0.50	ND		ug/L	420862	NA
Chloromethane	SW8260B	NA	05/30/14	1	0.16	0.50	ND		ug/L	420862	NA
Vinyl Chloride	SW8260B	NA	05/30/14	1	0.16	0.50	ND		ug/L	420862	NA
Bromomethane	SW8260B	NA	05/30/14	1	0.18	0.50	ND		ug/L	420862	NA
Trichlorofluoromethane	SW8260B	NA	05/30/14	1	0.18	0.50	ND		ug/L	420862	NA
1,1-Dichloroethene	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
Freon 113	SW8260B	NA	05/30/14	1	0.19	0.50	ND		ug/L	420862	NA
Methylene Chloride	SW8260B	NA	05/30/14	1	0.23	5.0	ND		ug/L	420862	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/30/14	1	0.19	0.50	ND		ug/L	420862	NA
MTBE	SW8260B	NA	05/30/14	1	0.17	0.50	ND		ug/L	420862	NA
tert-Butanol	SW8260B	NA	05/30/14	1	1.5	5.0	ND		ug/L	420862	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
1,1-Dichloroethane	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
ETBE	SW8260B	NA	05/30/14	1	0.17	0.50	ND		ug/L	420862	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/30/14	1	0.19	0.50	ND		ug/L	420862	NA
2,2-Dichloropropane	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
Bromochloromethane	SW8260B	NA	05/30/14	1	0.20	0.50	ND		ug/L	420862	NA
Chloroform	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
Carbon Tetrachloride	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
1,1,1-Trichloroethane	SW8260B	NA	05/30/14	1	0.097	0.50	ND		ug/L	420862	NA
1,1-Dichloropropene	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
Benzene	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
TAME	SW8260B	NA	05/30/14	1	0.17	0.50	ND		ug/L	420862	NA
1,2-Dichloroethane	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
Trichloroethylene	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
Dibromomethane	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
1,2-Dichloropropane	SW8260B	NA	05/30/14	1	0.17	0.50	ND		ug/L	420862	NA
Bromodichloromethane	SW8260B	NA	05/30/14	1	0.13	0.50	ND		ug/L	420862	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/30/14	1	0.096	0.50	ND		ug/L	420862	NA
Toluene	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
Tetrachloroethylene	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/30/14	1	0.23	0.50	ND		ug/L	420862	NA
1,1,2-Trichloroethane	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
Dibromochloromethane	SW8260B	NA	05/30/14	1	0.096	0.50	ND		ug/L	420862	NA
1,3-Dichloropropane	SW8260B	NA	05/30/14	1	0.10	0.50	ND		ug/L	420862	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	TRIP Blank	**Lab Sample ID:**	1405148-050A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	05/30/14	1	0.19	0.50	ND		ug/L	420862	NA
Chlorobenzene	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
Ethyl Benzene	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/30/14	1	0.096	0.50	ND		ug/L	420862	NA
m,p-Xylene	SW8260B	NA	05/30/14	1	0.13	1.0	ND		ug/L	420862	NA
o-Xylene	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
Styrene	SW8260B	NA	05/30/14	1	0.21	0.50	ND		ug/L	420862	NA
Bromoform	SW8260B	NA	05/30/14	1	0.21	1.0	ND		ug/L	420862	NA
Isopropyl Benzene	SW8260B	NA	05/30/14	1	0.097	0.50	ND		ug/L	420862	NA
Bromobenzene	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/30/14	1	0.11	0.50	ND		ug/L	420862	NA
n-Propylbenzene	SW8260B	NA	05/30/14	1	0.078	0.50	ND		ug/L	420862	NA
2-Chlorotoluene	SW8260B	NA	05/30/14	1	0.076	0.50	ND		ug/L	420862	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/30/14	1	0.074	0.50	ND		ug/L	420862	NA
4-Chlorotoluene	SW8260B	NA	05/30/14	1	0.088	0.50	ND		ug/L	420862	NA
tert-Butylbenzene	SW8260B	NA	05/30/14	1	0.081	0.50	ND		ug/L	420862	NA
1,2,3-Trichloropropane	SW8260B	NA	05/30/14	1	0.14	0.50	ND		ug/L	420862	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/30/14	1	0.083	0.50	ND		ug/L	420862	NA
sec-Butyl Benzene	SW8260B	NA	05/30/14	1	0.092	0.50	ND		ug/L	420862	NA
p-Isopropyltoluene	SW8260B	NA	05/30/14	1	0.093	0.50	ND		ug/L	420862	NA
1,3-Dichlorobenzene	SW8260B	NA	05/30/14	1	0.10	0.50	ND		ug/L	420862	NA
1,4-Dichlorobenzene	SW8260B	NA	05/30/14	1	0.069	0.50	ND		ug/L	420862	NA
n-Butylbenzene	SW8260B	NA	05/30/14	1	0.081	0.50	ND		ug/L	420862	NA
1,2-Dichlorobenzene	SW8260B	NA	05/30/14	1	0.057	0.50	ND		ug/L	420862	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/30/14	1	0.15	0.50	ND		ug/L	420862	NA
Hexachlorobutadiene	SW8260B	NA	05/30/14	1	0.19	0.50	ND		ug/L	420862	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/30/14	1	0.12	0.50	ND		ug/L	420862	NA
Naphthalene	SW8260B	NA	05/30/14	1	0.14	1.0	ND		ug/L	420862	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/30/14	1	0.23	0.50	ND		ug/L	420862	NA
(S) Dibromofluoromethane	SW8260B	NA	05/30/14	1	61.2	131	109		%	420862	NA
(S) Toluene-d8	SW8260B	NA	05/30/14	1	75.1	127	108		%	420862	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/30/14	1	64.1	120	108		%	420862	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	TRIP Blank	**Lab Sample ID:**	1405148-050A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	5/30/14	05/30/14	1	31	50	ND		ug/L	420862	11779
(S) 4-Bromofluorobenzene	8260TPH	5/30/14	05/30/14	1	41.5	125	102		%	420862	11779

NOTE: Raised reporting limit - see comment for 8260B analysis.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-025 Composite	**Lab Sample ID:**	1405148-051A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	7.3		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	140		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	15		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	7.3		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	12		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	6.1		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	29		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	24		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	34		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-025 Composite	**Lab Sample ID:**	1405148-051A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-025 Composite	**Lab Sample ID:**	1405148-051A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	140		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	130		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	120		%	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-025 Composite	**Lab Sample ID:**	1405148-051A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	104		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	94.6		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-026 Composite	**Lab Sample ID:**	1405148-052A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	6.4		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	160		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	21		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	8.7		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	21		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	7.2		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	23		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	33		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	43		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-026 Composite	**Lab Sample ID:**	1405148-052A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-026 Composite	**Lab Sample ID:**	1405148-052A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	146		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	133		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	126		%	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-026 Composite	**Lab Sample ID:**	1405148-052A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	95.9		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	99.1		%	420878	11776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-029 Composite	**Lab Sample ID:**	1405148-053A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	5/28/14	05/28/14	1	0.20	5.0	ND		mg/Kg	420819	11749
Arsenic	SW6010B	5/28/14	05/28/14	1	0.25	1.7	3.8		mg/Kg	420819	11749
Barium	SW6010B	5/28/14	05/28/14	1	0.07	5.0	100		mg/Kg	420819	11749
Beryllium	SW6010B	5/28/14	05/28/14	1	0.0800	2.0	ND		mg/Kg	420819	11749
Cadmium	SW6010B	5/28/14	05/28/14	1	0.0550	1.0	ND		mg/Kg	420819	11749
Chromium	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	18		mg/Kg	420819	11749
Cobalt	SW6010B	5/28/14	05/28/14	1	0.055	5.0	ND		mg/Kg	420819	11749
Copper	SW6010B	5/28/14	05/28/14	1	0.650	5.0	9.3		mg/Kg	420819	11749
Lead	SW6010B	5/28/14	05/28/14	1	0.14	1.0	4.8		mg/Kg	420819	11749
Molybdenum	SW6010B	5/28/14	05/28/14	1	0.120	5.0	ND		mg/Kg	420819	11749
Nickel	SW6010B	5/28/14	05/28/14	1	0.0500	5.0	19		mg/Kg	420819	11749
Selenium	SW6010B	5/28/14	05/28/14	1	0.42	5.0	ND		mg/Kg	420819	11749
Silver	SW6010B	5/28/14	05/28/14	1	0.37	1.0	ND		mg/Kg	420819	11749
Thallium	SW6010B	5/28/14	05/28/14	1	0.49	0.75	ND		mg/Kg	420819	11749
Vanadium	SW6010B	5/28/14	05/28/14	1	0.18	5.0	24		mg/Kg	420819	11749
Zinc	SW6010B	5/28/14	05/28/14	1	0.25	5.0	31		mg/Kg	420819	11749

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	5/28/14	05/28/14	1	0.2	0.50	ND		mg/Kg	420818	11747

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-029 Composite	**Lab Sample ID:**	1405148-053A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	05/28/14	1	4.4	10	ND		ug/Kg	420838	NA
Chloromethane	SW8260B	NA	05/28/14	1	4.6	10	ND		ug/Kg	420838	NA
Vinyl Chloride	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
Bromomethane	SW8260B	NA	05/28/14	1	4.7	10	ND		ug/Kg	420838	NA
Trichlorofluoromethane	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
1,1-Dichloroethene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
Freon 113	SW8260B	NA	05/28/14	1	3.7	10	ND		ug/Kg	420838	NA
Methylene Chloride	SW8260B	NA	05/28/14	1	2.0	50	ND		ug/Kg	420838	NA
trans-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
MTBE	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
tert-Butanol	SW8260B	NA	05/28/14	1	21	50	ND		ug/Kg	420838	NA
Diisopropyl ether (DIPE)	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,1-Dichloroethane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
ETBE	SW8260B	NA	05/28/14	1	2.4	10	ND		ug/Kg	420838	NA
cis-1,2-Dichloroethene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
2,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Bromochloromethane	SW8260B	NA	05/28/14	1	2.3	10	ND		ug/Kg	420838	NA
Chloroform	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
Carbon Tetrachloride	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
1,1,1-Trichloroethane	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Benzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
TAME	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dichloroethane	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Trichloroethylene	SW8260B	NA	05/28/14	1	3.9	10	ND		ug/Kg	420838	NA
Dibromomethane	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichloropropane	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
Bromodichloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
cis-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Toluene	SW8260B	NA	05/28/14	1	0.98	10	ND		ug/Kg	420838	NA
Tetrachloroethylene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
trans-1,3-Dichloropropene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2-Trichloroethane	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
Dibromochloromethane	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,3-Dichloropropane	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
1,2-Dibromoethane	SW8260B	NA	05/28/14	1	1.7	10	ND		ug/Kg	420838	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-029 Composite	**Lab Sample ID:**	1405148-053A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
Chlorobenzene	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	0.86	10	ND		ug/Kg	420838	NA
m,p-Xylene	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
o-Xylene	SW8260B	NA	05/28/14	1	0.66	5.0	ND		ug/Kg	420838	NA
Styrene	SW8260B	NA	05/28/14	1	0.77	10	ND		ug/Kg	420838	NA
Bromoform	SW8260B	NA	05/28/14	1	1.9	10	ND		ug/Kg	420838	NA
Isopropyl Benzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
n-Propylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
Bromobenzene	SW8260B	NA	05/28/14	1	1.2	10	ND		ug/Kg	420838	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	05/28/14	1	3.0	10	ND		ug/Kg	420838	NA
1,3,5-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
1,2,3-Trichloropropane	SW8260B	NA	05/28/14	1	3.3	10	ND		ug/Kg	420838	NA
4-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
2-Chlorotoluene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
tert-Butylbenzene	SW8260B	NA	05/28/14	1	1.4	10	ND		ug/Kg	420838	NA
1,2,4-Trimethylbenzene	SW8260B	NA	05/28/14	1	1.1	10	ND		ug/Kg	420838	NA
sec-Butyl Benzene	SW8260B	NA	05/28/14	1	1.6	10	ND		ug/Kg	420838	NA
p-Isopropyltoluene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
1,3-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.8	10	ND		ug/Kg	420838	NA
1,4-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.5	10	ND		ug/Kg	420838	NA
n-Butylbenzene	SW8260B	NA	05/28/14	1	2.2	10	ND		ug/Kg	420838	NA
1,2-Dichlorobenzene	SW8260B	NA	05/28/14	1	1.3	10	ND		ug/Kg	420838	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	05/28/14	1	4.2	10	ND		ug/Kg	420838	NA
Hexachlorobutadiene	SW8260B	NA	05/28/14	1	2.6	10	ND		ug/Kg	420838	NA
1,2,4-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.1	10	ND		ug/Kg	420838	NA
Naphthalene	SW8260B	NA	05/28/14	1	2.8	10	ND		ug/Kg	420838	NA
1,2,3-Trichlorobenzene	SW8260B	NA	05/28/14	1	2.9	10	ND		ug/Kg	420838	NA
(S) Dibromofluoromethane	SW8260B	NA	05/28/14	1	59.8	148	144		%	420838	NA
(S) Toluene-d8	SW8260B	NA	05/28/14	1	55.2	133	133		%	420838	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	05/28/14	1	55.8	141	129		%	420838	NA

NOTE: S-Surrogate recovery out of limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/23/14
Date Reported: 06/02/14

Client Sample ID:	A14-029 Composite	**Lab Sample ID:**	1405148-053A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	05/21/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	5/28/14	05/28/14	1	30	100	ND		ug/Kg	420838	11762
(S) 4-Bromofluorobenzene	8260TPH	5/28/14	05/28/14	1	43.9	127	94.3		%	420838	11762

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	5/29/14	05/30/14	1	0.66	2.0	ND		mg/Kg	420878	11776
TPH as Motor Oil (SG)	SW8015B(M)	5/29/14	05/30/14	1	1.0	10	ND		mg/Kg	420878	11776
Pentacosane (S)	SW8015B(M)	5/29/14	05/30/14	1	49.9	144	103		%	420878	11776

MB Summary Report

Work Order:	1405148	**Prep Method:**	7470A	**Prep Date:**	05/27/14	**Prep Batch:**	11737
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420806
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	

Work Order:	1405148	**Prep Method:**	3005	**Prep Date:**	05/27/14	**Prep Batch:**	11744
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420820
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	ND	
Arsenic (Dissolved)	0.005	0.009	ND	
Barium (Dissolved)	0.002	0.009	ND	
Beryllium (Dissolved)	0.002	0.005	ND	
Cadmium (Dissolved)	0.001	0.005	ND	
Chromium (Dissolved)	0.002	0.005	ND	
Cobalt (Dissolved)	0.002	0.005	ND	
Copper (Dissolved)	0.003	0.009	ND	
Lead (Dissolved)	0.005	0.014	ND	
Molybdenum (Dissolved)	0.002	0.009	ND	
Nickel (Dissolved)	0.002	0.009	ND	
Selenium (Dissolved)	0.004	0.02	ND	
Silver (Dissolved)	0.002	0.005	ND	
Thallium (Dissolved)	0.004	0.009	ND	
Vanadium (Dissolved)	0.004	0.009	ND	
Zinc (Dissolved)	0.002	0.009	ND	

Work Order:	1405148	**Prep Method:**	7471	**Prep Date:**	05/28/14	**Prep Batch:**	11747
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420818
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1405148	**Prep Method:**	3050	**Prep Date:**	05/28/14	**Prep Batch:**	11749
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420819
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	0.22	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.52	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	0.16	
Chromium	0.050	5.0	0.13	
Cobalt	0.055	5.0	0.060	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.30	
Molybdenum	0.12	5.0	0.13	
Nickel	0.050	5.0	0.14	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

Work Order:	1405148	**Prep Method:**	3510_TPHSG	**Prep Date:**	05/29/14	**Prep Batch:**	11760
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/01/14	**Analytical Batch:**	420883
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	ND	
TPH as Motor Oil (SG)	0.0920	0.40	0.096	
Pentacosane (S)			83.2	

Work Order:	1405148	**Prep Method:**	5035	**Prep Date:**	05/28/14	**Prep Batch:**	11762
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420838
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			114	

MB Summary Report

Work Order:	1405148	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/29/14	**Prep Batch:**	11776
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/29/14	**Analytical Batch:**	420861
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	1.4	
TPH as Motor Oil (SG)	1.0	10	4.2	
Pentacosane (S)			106	

Work Order:	1405148	**Prep Method:**	5030	**Prep Date:**	05/30/14	**Prep Batch:**	11779
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420862
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	ND	
(S) 4-Bromofluorobenzene			85.3	

MB Summary Report

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420838
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420838
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	
(S) Dibromofluoromethane			130	
(S) Toluene-d8			129	
(S) 4-Bromofluorobenzene			118	

MB Summary Report

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420862
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.18	0.50	ND	
Chloromethane	0.16	0.50	ND	
Vinyl Chloride	0.16	0.50	ND	
Bromomethane	0.18	0.50	ND	
Trichlorofluoromethane	0.18	0.50	ND	
1,1-Dichloroethene	0.15	0.50	ND	
Freon 113	0.19	0.50	ND	
Methylene Chloride	0.23	5.0	ND	
trans-1,2-Dichloroethene	0.19	0.50	ND	
MTBE	0.17	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.13	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.17	0.50	ND	
cis-1,2-Dichloroethene	0.19	0.50	ND	
2,2-Dichloropropane	0.15	0.50	ND	
Bromochloromethane	0.20	0.50	ND	
Chloroform	0.13	0.50	ND	
Carbon Tetrachloride	0.15	0.50	ND	
1,1,1-Trichloroethane	0.097	0.50	ND	
1,1-Dichloropropene	0.15	0.50	ND	
Benzene	0.13	0.50	ND	
TAME	0.17	0.50	ND	
1,2-Dichloroethane	0.14	0.50	ND	
Trichloroethylene	0.13	0.50	ND	
Dibromomethane	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.13	0.50	ND	
cis-1,3-Dichloropropene	0.096	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.14	0.50	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
1,1,2-Trichloroethane	0.14	0.50	ND	
Dibromochloromethane	0.096	0.50	ND	
1,3-Dichloropropane	0.10	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.096	0.50	ND	
m,p-Xylene	0.13	1.0	ND	
o-Xylene	0.15	0.50	ND	

MB Summary Report

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420862
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.21	0.50	ND	
Bromoform	0.21	1.0	ND	
Isopropyl Benzene	0.097	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.11	0.50	ND	
n-Propylbenzene	0.078	0.50	ND	
2-Chlorotoluene	0.076	0.50	ND	
1,3,5,-Trimethylbenzene	0.074	0.50	ND	
4-Chlorotoluene	0.088	0.50	ND	
tert-Butylbenzene	0.081	0.50	ND	
1,2,3-Trichloropropane	0.14	0.50	ND	
1,2,4-Trimethylbenzene	0.083	0.50	ND	
sec-Butyl Benzene	0.092	0.50	ND	
p-Isopropyltoluene	0.093	0.50	ND	
1,3-Dichlorobenzene	0.10	0.50	ND	
1,4-Dichlorobenzene	0.069	0.50	ND	
n-Butylbenzene	0.081	0.50	ND	
1,2-Dichlorobenzene	0.057	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND	
Hexachlorobutadiene	0.19	0.50	ND	
1,2,4-Trichlorobenzene	0.12	0.50	ND	
Naphthalene	0.14	1.0	ND	
1,2,3-Trichlorobenzene	0.23	0.50	ND	
(S) Dibromofluoromethane			123	
(S) Toluene-d8			108	
(S) 4-Bromofluorobenzene			111	
Ethanol	0.21	0.50	ND	TIC

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405148	**Prep Method:**	7470A	**Prep Date:**	05/27/14	**Prep Batch:**	11737
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420806
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	0.015	80.1	80.1	0.0833	80 - 120	20	

Work Order:	1405148	**Prep Method:**	3005	**Prep Date:**	05/27/14	**Prep Batch:**	11744
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420820
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	ND	1	95.6	92.4	3.03	80 - 120	20	
Arsenic (Dissolved)	0.005	0.009	ND	1	96.0	94.2	2.18	80 - 120	20	
Barium (Dissolved)	0.002	0.009	ND	1	93.2	92.6	0.565	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	ND	1	105	96.1	8.70	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	ND	1	93.0	93.6	0.596	80 - 120	20	
Chromium (Dissolved)	0.002	0.005	ND	1	98.6	94.6	4.00	80 - 120	20	
Cobalt (Dissolved)	0.002	0.005	ND	1	90.3	94.2	4.67	80 - 120	20	
Copper (Dissolved)	0.003	0.009	ND	1	93.8	93.9	0.319	80 - 120	20	
Lead (Dissolved)	0.005	0.014	ND	1	97.0	94.0	3.50	80 - 120	20	
Molybdenum (Dissolved)	0.002	0.009	ND	1	99.7	96.6	2.92	80 - 120	20	
Nickel (Dissolved)	0.002	0.009	ND	1	89.8	93.5	3.94	80 - 120	20	
Selenium (Dissolved)	0.004	0.02	ND	1	94.8	92.0	3.49	80 - 120	20	
Silver (Dissolved)	0.002	0.005	ND	1	92.2	92.0	0.0465	80 - 120	20	
Thallium (Dissolved)	0.004	0.009	ND	1	95.6	92.9	2.47	80 - 120	20	
Vanadium (Dissolved)	0.004	0.009	ND	1	93.2	92.8	0.276	80 - 120	20	
Zinc (Dissolved)	0.002	0.009	ND	1	91.5	95.3	4.63	80 - 120	20	

Work Order:	1405148	**Prep Method:**	7471	**Prep Date:**	05/28/14	**Prep Batch:**	11747
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420818
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	96.6	96.7	0.0690	80.5 - 133	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405148	**Prep Method:**	3050	**Prep Date:**	05/28/14	**Prep Batch:**	11749
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420819
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.22	50	93.4	91.0	2.57	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.8	90.4	1.54	71 - 121	30	
Barium	0.07	5.0	0.52	50	96.7	96.7	0.000	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	93.9	90.9	2.24	73.3 - 115	30	
Cadmium	0.055	1.0	0.16	50	95.7	95.6	0.0627	68.7 - 110	30	
Chromium	0.050	5.0	0.13	50	99.5	96.4	3.21	76 - 116	30	
Cobalt	0.055	5.0	0.060	50	98.0	95.7	2.40	57.4 - 122	30	
Copper	0.65	5.0	ND	50	96.9	97.1	0.196	74.8 - 119	30	
Lead	0.14	1.0	0.30	50	93.3	90.6	2.95	67.9 - 118	30	
Molybdenum	0.12	5.0	0.13	50	96.9	94.4	2.65	62.9 - 123	30	
Nickel	0.050	5.0	0.14	50	97.4	94.8	2.66	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	91.9	88.9	3.30	62 - 111	30	
Silver	0.37	1.0	ND	50	92.4	92.1	0.293	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	95.7	91.9	4.09	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	97.5	98.1	0.634	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	95.5	92.6	3.11	59.9 - 122	30	

Work Order:	1405148	**Prep Method:**	3510_TPHSG	**Prep Date:**	05/29/14	**Prep Batch:**	11760
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/01/14	**Analytical Batch:**	420883
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	ND	1	54.8	60.5	10.0	36.5 - 91.3	30	
Pentacosane (S)			0.096	100	81.0	83.5		50.8 - 139		

Work Order:	1405148	**Prep Method:**	5035	**Prep Date:**	05/28/14	**Prep Batch:**	11762
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420838
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	96.4	91.3	5.39	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			114	50	125	110		43.9 - 127		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405148	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/29/14	**Prep Batch:**	11776
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/29/14	**Analytical Batch:**	420861
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	1.4	25	92.4	96.4	4.28	50.8 - 111	30	
Pentacosane (S)			4.2	100	104	104		49.9 - 144		

Work Order:	1405148	**Prep Method:**	5030	**Prep Date:**	05/30/14	**Prep Batch:**	11779
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420862
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	ND	238.1	97.5	90.6	7.38	52.4 - 127	30	
(S) 4-Bromofluorobenzene			85.3	11.9	108	109		41.5 - 125		

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420838
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	97.7	92.1	5.83	53.7 - 139	30	
Benzene	1.5	10	ND	50	108	102	5.29	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	105	101	3.73	57.5 - 150	30	
Toluene	0.98	10	ND	50	90.9	84.7	7.15	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	85.7	81.0	5.54	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	127	136		59.8 - 148		
(S) Toluene-d8			ND	50	112	118		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	114	116		55.8 - 141		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405148	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420862
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	91.0	94.3	3.22	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	104	102	1.89	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	120	121	1.39	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	104	105	1.08	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	101	109	7.11	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.9	107	107		61.2 - 131		
(S) Toluene-d8			ND	11.9	102	106		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.9	96.4	102		64.1 - 120		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405148	**Prep Method:**	7470A	**Prep Date:**	05/27/14	**Prep Batch:**	11737
Matrix:	**Water**	**Analytical Method:**	SW7470A	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420806
Spiked Sample:	1405148-041C						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	0.00003	0.015	56.6	56.3	0.354	75 - 125	20	S

Work Order:	1405148	**Prep Method:**	3005	**Prep Date:**	05/27/14	**Prep Batch:**	11744
Matrix:	**Water**	**Analytical Method:**	SW6010B	**Analyzed Date:**	05/28/14	**Analytical Batch:**	420820
Spiked Sample:	1405148-049C						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	-0.0050	1	92.7	90.3	1.93	75 - 125	20	
Arsenic (Dissolved)	0.005	0.009	0.00	1	96.4	94.3	2.07	75 - 125	20	
Barium (Dissolved)	0.002	0.009	0.0598	1	87.7	85.7	2.25	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	0	1	95.6	93.1	2.31	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	0.00	1	89.7	87.4	2.80	75 - 125	20	
Chromium (Dissolved)	0.002	0.005	0.00	1	90.3	88.7	1.29	75 - 125	20	
Cobalt (Dissolved)	0.002	0.005	0.00	1	84.4	82.4	2.58	75 - 125	20	
Copper (Dissolved)	0.003	0.009	0.00	1	88.5	86.5	2.65	75 - 125	20	
Lead (Dissolved)	0.005	0.014	0.00	1	86.6	85.5	1.40	75 - 125	20	
Molybdenum (Dissolved)	0.002	0.009	0.012	1	92.6	91.5	1.48	75 - 125	20	
Nickel (Dissolved)	0.002	0.009	0.020	1	82.4	80.5	2.21	75 - 125	20	
Selenium (Dissolved)	0.004	0.02	0.00	1	100	100	0.362	75 - 125	20	
Silver (Dissolved)	0.002	0.005	0.00	1	89.4	87.5	2.63	75 - 125	20	
Thallium (Dissolved)	0.004	0.009	0.00	1	85.4	83.9	2.05	75 - 125	20	
Vanadium (Dissolved)	0.004	0.009	0.016	1	90.4	87.7	2.84	75 - 125	20	
Zinc (Dissolved)	0.002	0.009	0.00	1	88.1	86.4	1.54	75 - 125	20	

Work Order:	1405148	**Prep Method:**	3546_TPHSG	**Prep Date:**	05/29/14	**Prep Batch:**	11776
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	05/30/14	**Analytical Batch:**	420878
Spiked Sample:	1405148-053A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	20.1	25	90.8	88.5	4.79	50.8 - 111	30	
Pentacosane (S)				100	108	115		49.9 - 144		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1405148

Date and Time Received: 5/23/2014 8:30

Received By: er

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes		
Container/Temp Blank temperature in compliance?	Yes	Temperature: 3	°C
Water-VOA vials have zero headspace?	Yes		
Water-pH acceptable upon receipt?	N/A		

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	5/23/2014
Report Due Date:	6/2/2014		**Time Received:**	8:30

Comments:

Work Order # : ***1405148***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405148-001A	A-14-016 8.5'-10'	05/19/14 22:44	Soil	11/16/14			Composite	
1405148-002A	A-14-016 18.5'-20'	05/19/14 22:58	Soil	11/16/14			Composite	
1405148-003A	A-14-016 28.5'-30'	05/19/14 23:17	Soil	11/16/14			Composite	
1405148-004A	A-14-017 8.5'-10'	05/20/14 1:04	Soil	11/16/14			Composite	
1405148-005A	A-14-017 18.5'-20'	05/19/14 1:25	Soil	11/16/14			Composite	
1405148-006A	A-14-017 28.5'-30'	05/20/14 1:46	Soil	11/16/14			Composite	
1405148-007A	A-14-018 8.5'-10'	05/20/14 2:54	Soil	11/16/14			Composite	
1405148-008A	A-14-018 18.5'-20'	05/20/14 3:13	Soil	11/16/14			Composite	
1405148-009A	A-14-018 28.5'-30'	05/20/14 3:13	Soil	11/16/14			Composite	
1405148-010A	TRIP Blank	05/20/14	Water	11/16/14	On-Hold		W_GCMS-GRO W_8260Full	
1405148-011A	A14-016 Composite	05/19/14	Soil	11/16/14			S_6010BCAM17 S_7471BHG S_8260Full S_GCMS-GRO S_TPHDOSG	
1405148-012A	A14-017 Composite	05/20/14 0:00	Soil	11/16/14			S_6010BCAM17 S_GCMS-GRO S_TPHDOSG S_8260Full S_7471BHG	
1405148-013A	A14-018 Composite	05/20/14 0:00	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_8260Full	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	5/23/2014
Report Due Date:	6/2/2014		**Time Received:**	8:30

Comments:

Work Order # : ***1405148***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							S_GCMS-GRO S_7471BHG	
1405148-014A	A-14-019 8.5'-10'	05/20/14 22:29	Soil	11/16/14			Composite	
Sample Note:	Samples -014A to 022A recv'd on 5/21/14 @ 4'C							
1405148-015A	A-14-019 18.5'-20'	05/20/14 22:52	Soil	11/16/14			Composite	
1405148-016A	A-14-019 28.5'-30'	05/20/14 23:14	Soil	11/16/14			Composite	
1405148-017A	A-14-020 8.5'-10'	05/21/14 0:14	Soil	11/16/14			Composite	
1405148-018A	A-14-020 18.5'-20'	05/21/14 0:31	Soil	11/16/14			Composite	
1405148-019A	A-14-020 28.5'-30'	05/21/14 0:48	Soil	11/16/14			Composite	
1405148-020A	A-14-021 8.5'-10'	05/21/14 2:25	Soil	11/16/14			Composite	
1405148-021A	A-14-021 18.5'-20'	05/21/14 2:49	Soil	11/16/14			Composite	
1405148-022A	A-14-021 28.5'-30'	05/21/14 3:16	Soil	11/16/14			Composite	
1405148-023A	A14-019 Composite	05/20/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_7471BHG S_8260Full S_GCMS-GRO	
1405148-024A	A14-020 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_7471BHG S_8260Full S_GCMS-GRO	
1405148-025A	A14-021 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG	

Login Summary Report

Client ID: TL5377 URS (Oakland)

Project Name: I-680

Project # :

Report Due Date: 6/2/2014

QC Level:

TAT Requested: 5+ day:0

Date Received: 5/23/2014

Time Received: 8:30

Comments:

Work Order # : ***1405148***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							S_GCMS-GRO S_8260Full S_7471BHG	
1405148-026A	A-14-022 8.5'-10'	05/21/14 22:34	Soil	11/16/14			Composite	
1405148-027A	A-14-022 18.5'-20'	05/21/14 23:00	Soil	11/16/14			Composite	
1405148-028A	A-14-022 28.5'-30'	05/20/14 23:28	Soil	11/16/14			Composite	
1405148-029A	A-14-023 8.5'-10'	05/22/14 1:05	Soil	11/16/14			Composite	
1405148-030A	A-14-023 18.5'-20'	05/22/14 1:22	Soil	11/16/14			Composite	
1405148-031A	A-14-023 28.5'-30'	05/22/14 1:39	Soil	11/16/14			Composite	
1405148-032A	A-14-024 8.5'-10'	05/22/14 2:32	Soil	11/16/14			Composite	
1405148-033A	A-14-024 18.5'-20'	05/22/14 2:49	Soil	11/16/14			Composite	
1405148-034A	A-14-024 28.5'-30'	05/22/14 3:05	Soil	11/16/14			Composite	
1405148-035A	A14-022 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_8260Full S_GCMS-GRO S_7471BHG	
1405148-036A	A14-023 Composite	05/22/14	Soil	11/16/14			S_6010BCAM17 S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO	
1405148-037A	A14-024 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_7471BHG S_GCMS-GRO	

Login Summary Report

Client ID: TL5377 URS (Oakland)

Project Name: I-680

Project # :

Report Due Date: 6/2/2014

QC Level:

TAT Requested: 5+ day:0

Date Received: 5/23/2014

Time Received: 8:30

Comments:

Work Order # : ***1405148***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							S_TPHDOSG S_8260Full	
1405148-038A	A-14-025 8.5'-10'	05/22/14 22:19	Soil	11/16/14			Composite	
1405148-039A	A-14-025 18.5'-20'	05/22/14 22:50	Soil	11/16/14			Composite	
1405148-040A	A-14-025 28.5'-30'	05/22/14 23:17	Soil	11/16/14			Composite	
1405148-041A	A-14-025	05/22/14 23:35	Water	11/16/14			W_8260Full W_GCMS-GRO	
1405148-041B	A-14-025	05/22/14 23:35	Water	11/16/14			W_TPHDOSG	
1405148-041C	A-14-025	05/22/14 23:35	Water	11/16/14			W_D7470AHG W_D6010BCAM17	
1405148-042A	A-14-026 8.5'-10'	05/23/14 12:22	Soil	11/16/14			Composite	
1405148-043A	A-14-026 18.5'-20'	05/23/14 12:32	Soil	11/16/14			Composite	
1405148-044A	A-14-026 28.5'-30'	05/23/14 12:49	Soil	11/16/14			Composite	
1405148-045A	A-14-029 8.5'-10'	05/23/14 2:12	Soil	11/16/14			Composite	
1405148-046A	A-14-029 18.5'-20'	05/23/14 2:24	Soil	11/16/14			Composite	
1405148-047A	A-14-029 28.5'-30'	05/23/14 2:47	Soil	11/16/14			Composite	
1405148-048A	A-14-029 38.5'-40'	05/23/14 3:04	Soil	11/16/14			Composite	
1405148-049A	A-14-029	05/23/14 3:05	Water	11/16/14			W_8260Full W_GCMS-GRO	
1405148-049B	A-14-029	05/23/14 3:05	Water	11/16/14			W_TPHDOSG	
1405148-049C	A-14-029	05/23/14 3:05	Water	11/16/14			W_D7470AHG	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	5/23/2014
Report Due Date:	6/2/2014		**Time Received:**	8:30

Comments:

Work Order # : ***1405148***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405148-050A	TRIP Blank	05/23/14	Water	11/16/14			W_D6010BCAM17 W_8260Full W_GCMS-GRO	
1405148-051A	A14-025 Composite	05/23/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_7471BHG S_8260Full S_GCMS-GRO	
1405148-052A	A14-026 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_7471BHG S_8260Full S_GCMS-GRO	
1405148-053A	A14-029 Composite	05/21/14	Soil	11/16/14			S_6010BCAM17 S_TPHDOSG S_GCMS-GRO S_8260Full S_7471BHG	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258 RESET
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405148

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland State: CA Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan SAMPLER: ~~Joe Bandel~~ MADHU T	P.O. #: 28645477.23001 EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-001A	A-14-016 8.5'-10'	5/19/14 22:44	SOIL	1	STEEL	✓	✓	✓	✓	✓	011A				SILICA GEL CLEAN UP FOR ~~ALL SOIL~~ TPH-D and TPH-MO
-002A	A-14-016 18.5'-20'	5/19/14 22:58	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-003A	A-14-016 28.5'-30'	5/19/14 23:17	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-004A	A-14-017 8.5'-10'	5/20/14 1:04	SOIL	1	STEEL	✓	✓	✓	✓	✓	012A				NOTE APPLIES TO ALL
-005A	A-14-017 18.5'-20'	5/20/14 1:25	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-006A	A-14-017 28.5'-30'	5/20/14 1:46	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-007A	A-14-018 8.5'-10'	5/20/14 2:54	SOIL	1	STEEL	✓	✓	✓	✓	✓	013A				
-008A	A-14-018 18.5'-20'	5/20/14 3:13	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-009A	A-14-018 28.5'-30'	5/20/14 3:42	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-010A	TRIP BLANK					✓									

T=3.2

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALU	5/20/14	5:30				
2	Rogelio Madrigal		5-20-14	8:30	[signature]	EMILY KACZMAN	5/21/14	8:22 AM

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment _____ Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date:

REC LI LBL LIR
ER

Delivery time expired

Torrent LABORATORY, INC.

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Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

LAB WORK ORDER NO: 1405148

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland; State: CA; Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196; FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan; SAMPLER: Joe Bandel	P.O. #: 28645477.23001; EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-014A	A-14-019 8.5'-10'	5/20/14 22:30	SOIL	1	STEEL	✓	✓	✓	✓	✓	-023A				SILICA GEL CLEANUP FOR TPH-D and TPH-mo.
-015A	A-14-019 18.5'-20'	5/20/14 22:55	SOIL	1		✓	✓	✓	✓	✓					
-016A	A-14-019 28.5'-30'	5/20/14 23:14		1		✓	✓	✓	✓	✓					
-017A	A-14-020 8.5'-10'	5/21/14 12:14		1		✓	✓	✓	✓	✓	-024A				
-018A	A-14-020 18.5'-20'	5/21/14 12:31		1		✓	✓	✓	✓	✓					
-019A	A-14-020 28.5'-30'	5/21/14 12:48		1		✓	✓	✓	✓	✓					
-020A	A-14-021 8.5'-10'	5/21/14 2:25		1		✓	✓	✓	✓	✓	-025A				
-021A	A-14-021 18.5'-20'	5/21/14 2:49		1		✓	✓	✓	✓	✓					
-022A	A-14-021 28.5'-30'	5/21/14 3:16	↓	1	↓	✓	✓	✓	✓	✓					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMA	5/21/14	5:30	[signature]	MITHUN	05.21.14	6:00
2	[signature]		05.21.14	7:00	[signature]	L.D. Imbal	5-21-14	7:00

Were Samples Received in Good Condition? [x] Yes [ ] NO Samples on Ice? [x] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [x] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of 1

Log In By: REC LI EBL LIR Date: Log In Reviewed By: Date: Temp 4°C

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

LAB WORK ORDER NO: 1405148

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: ~~Joe Randel~~ MADHU THUMMALURU	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-026A	A-14-022 8.5'-10'	5/21/14 22:34	SOIL	1	STEEL	✓	✓	✓	✓	✓	-035A				
-027A	A-14-022 18.5'-20'	5/21/14 23:00	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-028A	A-14-022 28.5'-30'	5/21/14 23:28	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-029A	A-14-023 8.5'-10'	5/22/14 1:05	SOIL	1	STEEL	✓	✓	✓	✓	✓	-036A				
-030A	A-14-023 18.5'-20'	5/22/14 1:22	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-031A	A-14-023 28.5'-30'	5/22/14 1:39	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-032A	A-14-024 8.5'-10'	5/22/14 2:39	SOIL	1	STEEL	✓	✓	✓	✓	✓	-037A				
-033A	A-14-024 18.5'-20'	5/22/14 2:49	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-034A	A-14-024 28.5'-30'	5/22/14 3:05	SOIL	1	STEEL	✓	✓	✓	✓	✓			Temp 4°C		

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALURU	05/22/14	5:30	[signature]	L. D. Imlay	5-22-14	10:00
2								

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange-ments are made.

Page ____ of ____

Log In By: _____ Date: REC__LI__LBL__LIR__ Log In Reviewed By: _____ Date:

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405148

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland State: CA Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan SAMPLER: ~~Joe Bazal~~ MADHU	P.O. #: 28645477.23001 EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-038A	A-14-025 8.5'-10'	5/22/14 22:19	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-039A	A-14-025 18.5'-20'	5/22/14 22:50	SOIL	1		✓	✓	✓	✓	✓		051A			
-040A	A-14-025 28.5'-30'	5/22/14 23:17	SOIL	1		✓	✓	✓	✓	✓					
-041A	A-14-025	5/22/14 23:35	GW	6 VOLTS 1 AMBER 2 POLY		✓	✓	✓	✓	✓					
-042A	A-14-026 8.5'-10'	5/23/14 12:22	SOIL	1	STEEL	✓	✓	✓	✓	✓					
-043A	A-14-026 18.5'-20'	5/23/14 12:32		1		✓	✓	✓	✓	✓		052A			
-044A	A-14-026 28.5'-30'	5/23/14 12:49		1		✓	✓	✓	✓	✓					
-045A	A-14-029 8.5'-10'	5/23/14 2:12		1		✓	✓	✓	✓	✓					
-046A	A-14-029 18.5'-20'	5/23/14 2:24		1		✓	✓	✓	✓	✓					
-047A	A-14-029 28.5'-30'	5/23/14 2:47		1		✓	✓	✓	✓	✓					Temp 7°C

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALURU	5/23/14	5:00	Rogelio Madrigal		5-23-14	
2	Rogelio Madrigal		5-23-14	7:30	[signature]	L.D. Tubbs	5-23-14	7:30

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment _____ Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: RP, LI Date: _____ Log In Reviewed By: _____ Date:

Torrent LABORATORY, INC.

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Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY.

LAB WORK ORDER NO: 140548

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: Joe Bandel	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-048A	A-14-029 38.5-40	5/23/14 3:04	SOIL	1	STERL	✓	✓	✓	✓	✓		053A			
-049A	A-14-029	5/23/14 3:15	GW	10	6 VOLTS 2 AMBER 2 poly	✓	✓	✓	✓	✓					
-050A	Trip-Blank								✓	✓					
												Temp 7°C			

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	NADHU THUMMA	5/23/14	5:00	Rogelio Madrigal			
2	Rogelio Madrigal		5-23-14	7:30	[signature]	L.D. Imbat	5-23-14	7:30

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment _____ Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date:

REC__LI__LBL__LIR__

URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1405201

Dear Suzanne Nase:

Torrent Laboratory, Inc. received 31 sample(s) on May 30, 2014 for the analyses presented in the following Report.

Three water samples were received. As per Chain of Custody instructions, the 28 soil samples received were composited into two 2:1 point composites and eight 3:1 point composites for analysis.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

June 06, 2014

Patti Sandrock
QA Officer

Date

Date: 6/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1405201

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

A-14-004 1405201-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony (Dissolved)	SW6010B	1	0.004	0.009	0.011	mg/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.12	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.020	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.014	mg/L

Comp.A14-001 1405201-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	6.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	23	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	9.8	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	25	mg/Kg
Thallium	SW6010B	1	0.49	0.75	13	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	19	mg/Kg
Zinc	SW6010B	1	0.25	5.0	27	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.8	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Comp.A14-002 1405201-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	8.8	mg/Kg
Barium	SW6010B	1	0.07	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.9	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	34	mg/Kg
Thallium	SW6010B	1	0.49	0.75	12	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	35	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	4.6	mg/Kg

Comp.A14-003 1405201-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	9.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	96	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	23	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	7.4	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	22	mg/Kg
Thallium	SW6010B	1	0.49	0.75	16	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	21	mg/Kg
Zinc	SW6010B	1	0.25	5.0	27	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	4.7	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Comp.A14-004 1405201-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	6.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	75	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	21	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	8.0	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	25	mg/Kg
Thallium	SW6010B	1	0.49	0.75	12	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	18	mg/Kg
Zinc	SW6010B	1	0.25	5.0	24	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	4.2	mg/Kg

A-14-008 1405201-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.45	mg/L
Nickel (Dissolved)	SW6010B	1	0.002	0.009	0.018	mg/L
Vanadium (Dissolved)	SW6010B	1	0.004	0.009	0.023	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.027	mg/L

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

A-14-031 1405201-026

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.064	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.010	mg/L
Nickel (Dissolved)	SW6010B	1	0.002	0.009	0.011	mg/L
Selenium (Dissolved)	SW6010B	1	0.004	0.02	0.020	mg/L
Vanadium (Dissolved)	SW6010B	1	0.004	0.009	0.016	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.0097	mg/L

A-14-008 Comp 1405201-027

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	8.8	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	16	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	44	mg/Kg
Thallium	SW6010B	1	0.49	0.75	19	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	34	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	5.3	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

A-14-010 Comp 1405201-028

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	11	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	21	mg/Kg
Copper	SW6010B	1	0.650	5.0	6.8	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	17	mg/Kg
Thallium	SW6010B	1	0.49	0.75	21	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	21	mg/Kg
Zinc	SW6010B	1	0.25	5.0	25	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.2	mg/Kg

A-14-031 Comp 1405201-029

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	6.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	210	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	20	mg/Kg
Copper	SW6010B	1	0.650	5.0	10	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	21	mg/Kg
Thallium	SW6010B	1	0.49	0.75	13	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	22	mg/Kg
Zinc	SW6010B	1	0.25	5.0	25	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.8	mg/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

A-14-027 Comp 1405201-039

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	20	mg/Kg
Barium	SW6010B	1	0.07	5.0	74	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	19	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	35	mg/Kg
Lead	SW6010B	1	0.14	1.0	9.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	13	mg/Kg
Thallium	SW6010B	1	0.49	0.75	14	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	17	mg/Kg
Zinc	SW6010B	1	0.25	5.0	35	mg/Kg
TPH(Gasoline)	8260TPH	1	30	100	120	ug/Kg
TPH as Diesel (SG)	SW8015B(M)	5	3.3	10	170	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	5	5.1	52	80	mg/Kg
Naphthalene	SW8260B	5	14	50	56	ug/Kg

Sample Result Summary

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

A-14-028 Comp 1405201-040

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	7.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	58	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	7.4	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	11	mg/Kg
Thallium	SW6010B	1	0.49	0.75	18	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	20	mg/Kg
Zinc	SW6010B	1	0.25	5.0	23	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	7.1	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	20	mg/Kg

A-14-030 Comp 1405201-041

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	10	mg/Kg
Barium	SW6010B	1	0.07	5.0	64	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	17	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	14	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.9	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	23	mg/Kg
Thallium	SW6010B	1	0.49	0.75	21	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	31	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.6	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-004	**Lab Sample ID:**	1405201-012A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1.4	0.25	0.70	ND		ug/L	420964	NA
Chloromethane	SW8260B	NA	06/03/14	1.4	0.22	0.70	ND		ug/L	420964	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1.4	0.22	0.70	ND		ug/L	420964	NA
Bromomethane	SW8260B	NA	06/03/14	1.4	0.25	0.70	ND		ug/L	420964	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1.4	0.26	0.70	ND		ug/L	420964	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
Freon 113	SW8260B	NA	06/03/14	1.4	0.27	0.70	ND		ug/L	420964	NA
Methylene Chloride	SW8260B	NA	06/03/14	1.4	0.32	7.0	ND		ug/L	420964	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1.4	0.27	0.70	ND		ug/L	420964	NA
MTBE	SW8260B	NA	06/03/14	1.4	0.24	0.70	ND		ug/L	420964	NA
tert-Butanol	SW8260B	NA	06/03/14	1.4	2.2	7.0	ND		ug/L	420964	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
ETBE	SW8260B	NA	06/03/14	1.4	0.24	0.70	ND		ug/L	420964	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1.4	0.27	0.70	ND		ug/L	420964	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1.4	0.22	0.70	ND		ug/L	420964	NA
Bromochloromethane	SW8260B	NA	06/03/14	1.4	0.29	0.70	ND		ug/L	420964	NA
Chloroform	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1.4	0.14	0.70	ND		ug/L	420964	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
Benzene	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
TAME	SW8260B	NA	06/03/14	1.4	0.24	0.70	ND		ug/L	420964	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
Trichloroethylene	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
Dibromomethane	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1.4	0.24	0.70	ND		ug/L	420964	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1.4	0.18	0.70	ND		ug/L	420964	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1.4	0.13	0.70	ND		ug/L	420964	NA
Toluene	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1.4	0.32	0.70	ND		ug/L	420964	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1.4	0.13	0.70	ND		ug/L	420964	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-004	**Lab Sample ID:**	1405201-012A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	06/03/14	1.4	0.14	0.70	ND		ug/L	420964	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1.4	0.27	0.70	ND		ug/L	420964	NA
Chlorobenzene	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
Ethyl Benzene	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1.4	0.13	0.70	ND		ug/L	420964	NA
m,p-Xylene	SW8260B	NA	06/03/14	1.4	0.19	1.4	ND		ug/L	420964	NA
o-Xylene	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
Styrene	SW8260B	NA	06/03/14	1.4	0.29	0.70	ND		ug/L	420964	NA
Bromoform	SW8260B	NA	06/03/14	1.4	0.29	1.4	ND		ug/L	420964	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1.4	0.14	0.70	ND		ug/L	420964	NA
Bromobenzene	SW8260B	NA	06/03/14	1.4	0.21	0.70	ND		ug/L	420964	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1.4	0.15	0.70	ND		ug/L	420964	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1.4	0.11	0.70	ND		ug/L	420964	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1.4	0.11	0.70	ND		ug/L	420964	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1.4	0.10	0.70	ND		ug/L	420964	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1.4	0.12	0.70	ND		ug/L	420964	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1.4	0.11	0.70	ND		ug/L	420964	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1.4	0.20	0.70	ND		ug/L	420964	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1.4	0.12	0.70	ND		ug/L	420964	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1.4	0.13	0.70	ND		ug/L	420964	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1.4	0.13	0.70	ND		ug/L	420964	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1.4	0.15	0.70	ND		ug/L	420964	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1.4	0.096	0.70	ND		ug/L	420964	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1.4	0.11	0.70	ND		ug/L	420964	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1.4	0.080	0.70	ND		ug/L	420964	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1.4	0.22	0.70	ND		ug/L	420964	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1.4	0.27	0.70	ND		ug/L	420964	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1.4	0.17	0.70	ND		ug/L	420964	NA
Naphthalene	SW8260B	NA	06/03/14	1.4	0.19	1.4	ND		ug/L	420964	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1.4	0.33	0.70	ND		ug/L	420964	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1.4	61.2	131	93.6		%	420964	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1.4	75.1	127	83.7		%	420964	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1.4	64.1	120	88.9		%	420964	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-004	**Lab Sample ID:**	1405201-012A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	6/4/14	06/04/14	1.4	44	70	ND		ug/L	420970	11842
(S) 4-Bromofluorobenzene	8260TPH	6/4/14	06/04/14	1.4	41.5	125	46.1		%	420970	11842

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-004	**Lab Sample ID:**	1405201-012B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0400	0.10	ND		mg/L	420937	11811
TPH as Motor Oil (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0900	0.40	ND		mg/L	420937	11811
Pentacosane (S)	SW8015B(M)	6/3/14	06/03/14	1	50.8	139	65.8		%	420937	11811

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-004	**Lab Sample ID:**	1405201-012C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	0.011		mg/L	420896	11799
Arsenic (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.009	ND		mg/L	420896	11799
Barium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.12		mg/L	420896	11799
Beryllium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cadmium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.001	0.005	ND		mg/L	420896	11799
Chromium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cobalt (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Copper (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.003	0.009	ND		mg/L	420896	11799
Lead (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.014	ND		mg/L	420896	11799
Molybdenum (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.020		mg/L	420896	11799
Nickel (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	ND		mg/L	420896	11799
Selenium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.02	ND		mg/L	420896	11799
Silver (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Thallium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Vanadium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Zinc (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.014		mg/L	420896	11799

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/2/14	06/03/14	1	0.00005	0.0002	ND		mg/L	420894	11796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-001	**Lab Sample ID:**	1405201-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	6.4		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	110		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	23		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	5.1		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	9.8		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	4.7		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	25		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	13		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	19		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	27		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-001	**Lab Sample ID:**	1405201-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-001	**Lab Sample ID:**	1405201-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	113		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	118		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	111		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-001	**Lab Sample ID:**	1405201-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	103		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	2.8	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	106		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-002	**Lab Sample ID:**	1405201-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	8.8		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	150		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	35		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	7.9		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	18		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	5.9		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	34		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	12		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	30		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	35		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-002	**Lab Sample ID:**	1405201-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-002	**Lab Sample ID:**	1405201-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	114		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	122		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	111		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-002	**Lab Sample ID:**	1405201-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	97.0		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	4.6	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	116		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-003	**Lab Sample ID:**	1405201-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	9.7		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	96		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	23		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	5.9		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	7.4		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	5.2		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	22		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	16		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	21		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	27		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-003	**Lab Sample ID:**	1405201-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-003	**Lab Sample ID:**	1405201-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	119		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	122		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	108		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-003	**Lab Sample ID:**	1405201-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	94.6		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	4.7	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	111		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-004	**Lab Sample ID:**	1405201-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	6.5		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	75		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	21		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	5.2		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	8.0		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	4.5		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	25		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	12		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	18		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	24		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-004	**Lab Sample ID:**	1405201-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-004	**Lab Sample ID:**	1405201-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	121		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	119		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	112		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	Comp.A14-004	**Lab Sample ID:**	1405201-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	103		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	4.2	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	117		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008	**Lab Sample ID:**	1405201-020A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 22:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	0.18	0.50	ND		ug/L	420964	NA
Chloromethane	SW8260B	NA	06/03/14	1	0.16	0.50	ND		ug/L	420964	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	0.16	0.50	ND		ug/L	420964	NA
Bromomethane	SW8260B	NA	06/03/14	1	0.18	0.50	ND		ug/L	420964	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	0.18	0.50	ND		ug/L	420964	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
Freon 113	SW8260B	NA	06/03/14	1	0.19	0.50	ND		ug/L	420964	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	0.23	5.0	ND		ug/L	420964	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	0.19	0.50	ND		ug/L	420964	NA
MTBE	SW8260B	NA	06/03/14	1	0.17	0.50	ND		ug/L	420964	NA
tert-Butanol	SW8260B	NA	06/03/14	1	1.5	5.0	ND		ug/L	420964	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
ETBE	SW8260B	NA	06/03/14	1	0.17	0.50	ND		ug/L	420964	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	0.19	0.50	ND		ug/L	420964	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	0.20	0.50	ND		ug/L	420964	NA
Chloroform	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	0.097	0.50	ND		ug/L	420964	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
Benzene	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
TAME	SW8260B	NA	06/03/14	1	0.17	0.50	ND		ug/L	420964	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
Dibromomethane	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	0.17	0.50	ND		ug/L	420964	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	0.13	0.50	ND		ug/L	420964	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	0.096	0.50	ND		ug/L	420964	NA
Toluene	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	0.23	0.50	ND		ug/L	420964	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	0.096	0.50	ND		ug/L	420964	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	0.10	0.50	ND		ug/L	420964	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008	**Lab Sample ID:**	1405201-020A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 22:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	0.19	0.50	ND		ug/L	420964	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.096	0.50	ND		ug/L	420964	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	0.13	1.0	ND		ug/L	420964	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
Styrene	SW8260B	NA	06/03/14	1	0.21	0.50	ND		ug/L	420964	NA
Bromoform	SW8260B	NA	06/03/14	1	0.21	1.0	ND		ug/L	420964	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	0.097	0.50	ND		ug/L	420964	NA
Bromobenzene	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.11	0.50	ND		ug/L	420964	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	0.078	0.50	ND		ug/L	420964	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	0.076	0.50	ND		ug/L	420964	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	0.074	0.50	ND		ug/L	420964	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	0.088	0.50	ND		ug/L	420964	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	0.081	0.50	ND		ug/L	420964	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	0.14	0.50	ND		ug/L	420964	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	0.083	0.50	ND		ug/L	420964	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	0.092	0.50	ND		ug/L	420964	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	0.093	0.50	ND		ug/L	420964	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	0.10	0.50	ND		ug/L	420964	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	0.069	0.50	ND		ug/L	420964	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	0.081	0.50	ND		ug/L	420964	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	0.057	0.50	ND		ug/L	420964	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	0.15	0.50	ND		ug/L	420964	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	0.19	0.50	ND		ug/L	420964	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	0.12	0.50	ND		ug/L	420964	NA
Naphthalene	SW8260B	NA	06/03/14	1	0.14	1.0	ND		ug/L	420964	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	0.23	0.50	ND		ug/L	420964	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	61.2	131	85.6		%	420964	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	75.1	127	84.8		%	420964	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	64.1	120	85.9		%	420964	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008	**Lab Sample ID:**	1405201-020A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 22:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/4/14	06/04/14	1	31	50	ND		ug/L	420970	11842
(S) 4-Bromofluorobenzene	8260TPH	6/4/14	06/04/14	1	41.5	125	98.3		%	420970	11842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008	**Lab Sample ID:**	1405201-020B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 22:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0400	0.10	ND		mg/L	420937	11811
TPH as Motor Oil (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0900	0.40	ND		mg/L	420937	11811
Pentacosane (S)	SW8015B(M)	6/3/14	06/03/14	1	50.8	139	72.6		%	420937	11811

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008	**Lab Sample ID:**	1405201-020C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 22:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Arsenic (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.009	ND		mg/L	420896	11799
Barium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.45		mg/L	420896	11799
Beryllium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cadmium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.001	0.005	ND		mg/L	420896	11799
Chromium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cobalt (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Copper (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.003	0.009	ND		mg/L	420896	11799
Lead (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.014	ND		mg/L	420896	11799
Molybdenum (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	ND		mg/L	420896	11799
Nickel (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.018		mg/L	420896	11799
Selenium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.02	ND		mg/L	420896	11799
Silver (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Thallium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Vanadium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	0.023		mg/L	420896	11799
Zinc (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.027		mg/L	420896	11799

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/2/14	06/03/14	1	0.00005	0.0002	ND		mg/L	420894	11796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031	**Lab Sample ID:**	1405201-026A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1.31	0.23	0.66	ND		ug/L	420964	NA
Chloromethane	SW8260B	NA	06/03/14	1.31	0.21	0.66	ND		ug/L	420964	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1.31	0.21	0.66	ND		ug/L	420964	NA
Bromomethane	SW8260B	NA	06/03/14	1.31	0.24	0.66	ND		ug/L	420964	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1.31	0.24	0.66	ND		ug/L	420964	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
Freon 113	SW8260B	NA	06/03/14	1.31	0.25	0.66	ND		ug/L	420964	NA
Methylene Chloride	SW8260B	NA	06/03/14	1.31	0.30	6.6	ND		ug/L	420964	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1.31	0.25	0.66	ND		ug/L	420964	NA
MTBE	SW8260B	NA	06/03/14	1.31	0.23	0.66	ND		ug/L	420964	NA
tert-Butanol	SW8260B	NA	06/03/14	1.31	2.0	6.6	ND		ug/L	420964	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
ETBE	SW8260B	NA	06/03/14	1.31	0.23	0.66	ND		ug/L	420964	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1.31	0.25	0.66	ND		ug/L	420964	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
Bromochloromethane	SW8260B	NA	06/03/14	1.31	0.27	0.66	ND		ug/L	420964	NA
Chloroform	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
Benzene	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
TAME	SW8260B	NA	06/03/14	1.31	0.23	0.66	ND		ug/L	420964	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
Trichloroethylene	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
Dibromomethane	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1.31	0.23	0.66	ND		ug/L	420964	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1.31	0.17	0.66	ND		ug/L	420964	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA
Toluene	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1.31	0.30	0.66	ND		ug/L	420964	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031	**Lab Sample ID:**	1405201-026A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1.31	0.25	0.66	ND		ug/L	420964	NA
Chlorobenzene	SW8260B	NA	06/03/14	1.31	0.19	0.66	ND		ug/L	420964	NA
Ethyl Benzene	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA
m,p-Xylene	SW8260B	NA	06/03/14	1.31	0.18	1.3	ND		ug/L	420964	NA
o-Xylene	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
Styrene	SW8260B	NA	06/03/14	1.31	0.28	0.66	ND		ug/L	420964	NA
Bromoform	SW8260B	NA	06/03/14	1.31	0.28	1.3	ND		ug/L	420964	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1.31	0.13	0.66	ND		ug/L	420964	NA
Bromobenzene	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1.31	0.14	0.66	ND		ug/L	420964	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1.31	0.10	0.66	ND		ug/L	420964	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1.31	0.099	0.66	ND		ug/L	420964	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1.31	0.097	0.66	ND		ug/L	420964	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1.31	0.12	0.66	ND		ug/L	420964	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1.31	0.11	0.66	ND		ug/L	420964	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1.31	0.18	0.66	ND		ug/L	420964	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1.31	0.11	0.66	ND		ug/L	420964	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1.31	0.12	0.66	ND		ug/L	420964	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1.31	0.12	0.66	ND		ug/L	420964	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1.31	0.14	0.66	ND		ug/L	420964	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1.31	0.090	0.66	ND		ug/L	420964	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1.31	0.11	0.66	ND		ug/L	420964	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1.31	0.075	0.66	ND		ug/L	420964	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1.31	0.20	0.66	ND		ug/L	420964	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1.31	0.26	0.66	ND		ug/L	420964	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1.31	0.16	0.66	ND		ug/L	420964	NA
Naphthalene	SW8260B	NA	06/03/14	1.31	0.18	1.3	ND		ug/L	420964	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1.31	0.30	0.66	ND		ug/L	420964	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1.31	61.2	131	83.2		%	420964	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1.31	75.1	127	85.5		%	420964	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1.31	64.1	120	88.0		%	420964	NA

NOTE: Reporting limits were raised due to sediment in all VOAs.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031	**Lab Sample ID:**	1405201-026A
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
TPH as Gasoline	8260TPH	6/4/14	06/04/14	1.45	46	73	ND		ug/L	420970	11842
(S) 4-Bromofluorobenzene	8260TPH	6/4/14	06/04/14	1.45	41.5	125	65.7		%	420970	11842

NOTE: Reporting limits were raised due to sediment in all VOAs.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031	**Lab Sample ID:**	1405201-026B
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0400	0.10	ND		mg/L	420937	11811
TPH as Motor Oil (SG)	SW8015B(M)	6/3/14	06/03/14	1	0.0900	0.40	ND		mg/L	420937	11811
Pentacosane (S)	SW8015B(M)	6/3/14	06/03/14	1	50.8	139	58.6		%	420937	11811

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031	**Lab Sample ID:**	1405201-026C
Project Name/Location:	I-680	**Sample Matrix:**	Groundwater
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 / 3:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Arsenic (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.009	ND		mg/L	420896	11799
Barium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.064		mg/L	420896	11799
Beryllium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cadmium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.001	0.005	ND		mg/L	420896	11799
Chromium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Cobalt (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Copper (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.003	0.009	ND		mg/L	420896	11799
Lead (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.005	0.014	ND		mg/L	420896	11799
Molybdenum (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.010		mg/L	420896	11799
Nickel (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.011		mg/L	420896	11799
Selenium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.02	0.020		mg/L	420896	11799
Silver (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.005	ND		mg/L	420896	11799
Thallium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	ND		mg/L	420896	11799
Vanadium (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.004	0.009	0.016		mg/L	420896	11799
Zinc (Dissolved)	SW6010B	6/2/14	06/02/14	1	0.002	0.009	0.0097		mg/L	420896	11799

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/2/14	06/03/14	1	0.00005	0.0002	ND		mg/L	420894	11796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008 Comp	**Lab Sample ID:**	1405201-027A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	8.8		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	170		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	35		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	7.9		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	16		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	5.0		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	44		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	19		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	29		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	34		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008 Comp	**Lab Sample ID:**	1405201-027A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008 Comp	**Lab Sample ID:**	1405201-027A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	122		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	120		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	111		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-008 Comp	**Lab Sample ID:**	1405201-027A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/28/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	99.5		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	5.3	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	106		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-010 Comp	**Lab Sample ID:**	1405201-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	11		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	100		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	21		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	ND		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	6.8		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	4.7		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	17		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	21		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	21		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	25		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-010 Comp	**Lab Sample ID:**	1405201-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-010 Comp	**Lab Sample ID:**	1405201-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	119		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	118		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	108		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-010 Comp	**Lab Sample ID:**	1405201-028A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	100		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	3.2	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	110		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031 Comp	**Lab Sample ID:**	1405201-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	6.3		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	210		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	20		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	ND		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	10		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	5.0		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	21		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	13		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	22		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	25		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031 Comp	**Lab Sample ID:**	1405201-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031 Comp	**Lab Sample ID:**	1405201-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	131		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	121		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	117		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-031 Comp	**Lab Sample ID:**	1405201-029A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	89.4		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	3.8	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	108		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-027 Comp	**Lab Sample ID:**	1405201-039A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	20		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	74		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	19		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	5.3		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	35		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	9.6		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	13		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	14		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	17		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	35		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-027 Comp	**Lab Sample ID:**	1405201-039A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Dichlorodifluoromethane	SW8260B	NA	06/05/14	5	22	50	ND		ug/Kg	420962	NA
Chloromethane	SW8260B	NA	06/05/14	5	23	50	ND		ug/Kg	420962	NA
Vinyl Chloride	SW8260B	NA	06/05/14	5	13	50	ND		ug/Kg	420962	NA
Bromomethane	SW8260B	NA	06/05/14	5	23	50	ND		ug/Kg	420962	NA
Trichlorofluoromethane	SW8260B	NA	06/05/14	5	14	50	ND		ug/Kg	420962	NA
1,1-Dichloroethene	SW8260B	NA	06/05/14	5	7.7	50	ND		ug/Kg	420962	NA
Freon 113	SW8260B	NA	06/05/14	5	19	50	ND		ug/Kg	420962	NA
Methylene Chloride	SW8260B	NA	06/05/14	5	9.9	250	ND		ug/Kg	420962	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/05/14	5	5.6	50	ND		ug/Kg	420962	NA
MTBE	SW8260B	NA	06/05/14	5	13	50	ND		ug/Kg	420962	NA
tert-Butanol	SW8260B	NA	06/05/14	5	100	250	ND		ug/Kg	420962	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/05/14	5	11	50	ND		ug/Kg	420962	NA
1,1-Dichloroethane	SW8260B	NA	06/05/14	5	6.4	50	ND		ug/Kg	420962	NA
ETBE	SW8260B	NA	06/05/14	5	12	50	ND		ug/Kg	420962	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/05/14	5	8.8	50	ND		ug/Kg	420962	NA
2,2-Dichloropropane	SW8260B	NA	06/05/14	5	6.2	50	ND		ug/Kg	420962	NA
Bromochloromethane	SW8260B	NA	06/05/14	5	11	50	ND		ug/Kg	420962	NA
Chloroform	SW8260B	NA	06/05/14	5	6.1	50	ND		ug/Kg	420962	NA
Carbon Tetrachloride	SW8260B	NA	06/05/14	5	8.1	50	ND		ug/Kg	420962	NA
1,1,1-Trichloroethane	SW8260B	NA	06/05/14	5	6.1	50	ND		ug/Kg	420962	NA
1,1-Dichloropropene	SW8260B	NA	06/05/14	5	7.2	50	ND		ug/Kg	420962	NA
Benzene	SW8260B	NA	06/05/14	5	7.5	50	ND		ug/Kg	420962	NA
TAME	SW8260B	NA	06/05/14	5	10	50	ND		ug/Kg	420962	NA
1,2-Dichloroethane	SW8260B	NA	06/05/14	5	9.5	50	ND		ug/Kg	420962	NA
Trichloroethylene	SW8260B	NA	06/05/14	5	19	50	ND		ug/Kg	420962	NA
Dibromomethane	SW8260B	NA	06/05/14	5	11	50	ND		ug/Kg	420962	NA
1,2-Dichloropropane	SW8260B	NA	06/05/14	5	6.5	50	ND		ug/Kg	420962	NA
Bromodichloromethane	SW8260B	NA	06/05/14	5	5.6	50	ND		ug/Kg	420962	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/05/14	5	7.1	50	ND		ug/Kg	420962	NA
Toluene	SW8260B	NA	06/05/14	5	4.9	50	ND		ug/Kg	420962	NA
Tetrachloroethylene	SW8260B	NA	06/05/14	5	9.0	50	ND		ug/Kg	420962	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/05/14	5	5.8	50	ND		ug/Kg	420962	NA
1,1,2-Trichloroethane	SW8260B	NA	06/05/14	5	9.1	50	ND		ug/Kg	420962	NA
Dibromochloromethane	SW8260B	NA	06/05/14	5	5.6	50	ND		ug/Kg	420962	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-027 Comp	**Lab Sample ID:**	1405201-039A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
1,3-Dichloropropane	SW8260B	NA	06/05/14	5	10	50	ND		ug/Kg	420962	NA
1,2-Dibromoethane	SW8260B	NA	06/05/14	5	8.7	50	ND		ug/Kg	420962	NA
Ethyl Benzene	SW8260B	NA	06/05/14	5	4.3	50	ND		ug/Kg	420962	NA
Chlorobenzene	SW8260B	NA	06/05/14	5	21	50	ND		ug/Kg	420962	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/05/14	5	4.3	50	ND		ug/Kg	420962	NA
m,p-Xylene	SW8260B	NA	06/05/14	5	9.3	50	ND		ug/Kg	420962	NA
o-Xylene	SW8260B	NA	06/05/14	5	3.3	25	ND		ug/Kg	420962	NA
Styrene	SW8260B	NA	06/05/14	5	3.8	50	ND		ug/Kg	420962	NA
Bromoform	SW8260B	NA	06/05/14	5	9.5	50	ND		ug/Kg	420962	NA
Isopropyl Benzene	SW8260B	NA	06/05/14	5	6.2	50	ND		ug/Kg	420962	NA
n-Propylbenzene	SW8260B	NA	06/05/14	5	7.1	50	ND		ug/Kg	420962	NA
Bromobenzene	SW8260B	NA	06/05/14	5	5.9	50	ND		ug/Kg	420962	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/05/14	5	15	50	ND		ug/Kg	420962	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/05/14	5	5.6	50	ND		ug/Kg	420962	NA
1,2,3-Trichloropropane	SW8260B	NA	06/05/14	5	17	50	ND		ug/Kg	420962	NA
4-Chlorotoluene	SW8260B	NA	06/05/14	5	7.9	50	ND		ug/Kg	420962	NA
2-Chlorotoluene	SW8260B	NA	06/05/14	5	7.9	50	ND		ug/Kg	420962	NA
tert-Butylbenzene	SW8260B	NA	06/05/14	5	7.2	50	ND		ug/Kg	420962	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/05/14	5	5.4	50	ND		ug/Kg	420962	NA
sec-Butyl Benzene	SW8260B	NA	06/05/14	5	8.2	50	ND		ug/Kg	420962	NA
p-Isopropyltoluene	SW8260B	NA	06/05/14	5	7.3	50	ND		ug/Kg	420962	NA
1,3-Dichlorobenzene	SW8260B	NA	06/05/14	5	9.0	50	ND		ug/Kg	420962	NA
1,4-Dichlorobenzene	SW8260B	NA	06/05/14	5	7.5	50	ND		ug/Kg	420962	NA
n-Butylbenzene	SW8260B	NA	06/05/14	5	11	50	ND		ug/Kg	420962	NA
1,2-Dichlorobenzene	SW8260B	NA	06/05/14	5	6.6	50	ND		ug/Kg	420962	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/05/14	5	21	50	ND		ug/Kg	420962	NA
Hexachlorobutadiene	SW8260B	NA	06/05/14	5	13	50	ND		ug/Kg	420962	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/05/14	5	11	50	ND		ug/Kg	420962	NA
Naphthalene	SW8260B	NA	06/05/14	5	14	50	56		ug/Kg	420962	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/05/14	5	14	50	ND		ug/Kg	420962	NA
(S) Dibromofluoromethane	SW8260B	NA	06/05/14	5	59.8	148	120		%	420962	NA
(S) Toluene-d8	SW8260B	NA	06/05/14	5	55.2	133	119		%	420962	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/05/14	5	55.8	141	116		%	420962	NA

NOTE: Reporting limits were raised due to high level of heavy end hydrocarbons (extractable hydrocarbons overlap).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-027 Comp	**Lab Sample ID:**	1405201-039A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/29/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	120	x	ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	82.2		%	420925	11818

NOTE: x - Does not match pattern of reference Gasoline standard. Reported TPH value due to contribution from heavy end hydrocarbons.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	5	3.3	10	170	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	5	5.1	52	80	xx	mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	5	49.9	144	107		%	420958	11825

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range slightly heavier than diesel quantified as diesel (possibly weathered diesel or other fuel) xx- Motor oil result due to over-lapping of Diesl range into Motor Oil range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-028 Comp	**Lab Sample ID:**	1405201-040A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	7.5		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	58		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	11		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	ND		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	7.4		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	7.0		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	11		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	18		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	20		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	23		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-028 Comp	**Lab Sample ID:**	1405201-040A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-028 Comp	**Lab Sample ID:**	1405201-040A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	127		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	126		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	121		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-028 Comp	**Lab Sample ID:**	1405201-040A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	85.9		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	7.1	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	20		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	90.3		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-030 Comp	**Lab Sample ID:**	1405201-041A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/2/14	06/02/14	1	0.20	5.0	ND		mg/Kg	420889	11793
Arsenic	SW6010B	6/2/14	06/02/14	1	0.25	1.7	10		mg/Kg	420889	11793
Barium	SW6010B	6/2/14	06/02/14	1	0.07	5.0	64		mg/Kg	420889	11793
Beryllium	SW6010B	6/2/14	06/02/14	1	0.0800	2.0	ND		mg/Kg	420889	11793
Cadmium	SW6010B	6/2/14	06/02/14	1	0.0550	1.0	ND		mg/Kg	420889	11793
Chromium	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	17		mg/Kg	420889	11793
Cobalt	SW6010B	6/2/14	06/02/14	1	0.055	5.0	7.8		mg/Kg	420889	11793
Copper	SW6010B	6/2/14	06/02/14	1	0.650	5.0	14		mg/Kg	420889	11793
Lead	SW6010B	6/2/14	06/02/14	1	0.14	1.0	4.9		mg/Kg	420889	11793
Molybdenum	SW6010B	6/2/14	06/02/14	1	0.120	5.0	ND		mg/Kg	420889	11793
Nickel	SW6010B	6/2/14	06/02/14	1	0.0500	5.0	23		mg/Kg	420889	11793
Selenium	SW6010B	6/2/14	06/02/14	1	0.42	5.0	ND		mg/Kg	420889	11793
Silver	SW6010B	6/2/14	06/02/14	1	0.37	1.0	ND		mg/Kg	420889	11793
Thallium	SW6010B	6/2/14	06/02/14	1	0.49	0.75	21		mg/Kg	420889	11793
Vanadium	SW6010B	6/2/14	06/02/14	1	0.18	5.0	24		mg/Kg	420889	11793
Zinc	SW6010B	6/2/14	06/02/14	1	0.25	5.0	31		mg/Kg	420889	11793

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/2/14	06/03/14	1	0.2	0.50	ND		mg/Kg	420895	11797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-030 Comp	**Lab Sample ID:**	1405201-041A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/03/14	1	4.4	10	ND		ug/Kg	420925	NA
Chloromethane	SW8260B	NA	06/03/14	1	4.6	10	ND		ug/Kg	420925	NA
Vinyl Chloride	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
Bromomethane	SW8260B	NA	06/03/14	1	4.7	10	ND		ug/Kg	420925	NA
Trichlorofluoromethane	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
1,1-Dichloroethene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
Freon 113	SW8260B	NA	06/03/14	1	3.7	10	ND		ug/Kg	420925	NA
Methylene Chloride	SW8260B	NA	06/03/14	1	2.0	50	ND		ug/Kg	420925	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
MTBE	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
tert-Butanol	SW8260B	NA	06/03/14	1	21	50	ND		ug/Kg	420925	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,1-Dichloroethane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
ETBE	SW8260B	NA	06/03/14	1	2.4	10	ND		ug/Kg	420925	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
2,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Bromochloromethane	SW8260B	NA	06/03/14	1	2.3	10	ND		ug/Kg	420925	NA
Chloroform	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
Carbon Tetrachloride	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
1,1,1-Trichloroethane	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Benzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
TAME	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dichloroethane	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Trichloroethylene	SW8260B	NA	06/03/14	1	3.9	10	ND		ug/Kg	420925	NA
Dibromomethane	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichloropropane	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
Bromodichloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Toluene	SW8260B	NA	06/03/14	1	0.98	10	ND		ug/Kg	420925	NA
Tetrachloroethylene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2-Trichloroethane	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
Dibromochloromethane	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,3-Dichloropropane	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
1,2-Dibromoethane	SW8260B	NA	06/03/14	1	1.7	10	ND		ug/Kg	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-030 Comp	**Lab Sample ID:**	1405201-041A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
Chlorobenzene	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	0.86	10	ND		ug/Kg	420925	NA
m,p-Xylene	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
o-Xylene	SW8260B	NA	06/03/14	1	0.66	5.0	ND		ug/Kg	420925	NA
Styrene	SW8260B	NA	06/03/14	1	0.77	10	ND		ug/Kg	420925	NA
Bromoform	SW8260B	NA	06/03/14	1	1.9	10	ND		ug/Kg	420925	NA
Isopropyl Benzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
n-Propylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
Bromobenzene	SW8260B	NA	06/03/14	1	1.2	10	ND		ug/Kg	420925	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/03/14	1	3.0	10	ND		ug/Kg	420925	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
1,2,3-Trichloropropane	SW8260B	NA	06/03/14	1	3.3	10	ND		ug/Kg	420925	NA
4-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
2-Chlorotoluene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
tert-Butylbenzene	SW8260B	NA	06/03/14	1	1.4	10	ND		ug/Kg	420925	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/03/14	1	1.1	10	ND		ug/Kg	420925	NA
sec-Butyl Benzene	SW8260B	NA	06/03/14	1	1.6	10	ND		ug/Kg	420925	NA
p-Isopropyltoluene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
1,3-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.8	10	ND		ug/Kg	420925	NA
1,4-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.5	10	ND		ug/Kg	420925	NA
n-Butylbenzene	SW8260B	NA	06/03/14	1	2.2	10	ND		ug/Kg	420925	NA
1,2-Dichlorobenzene	SW8260B	NA	06/03/14	1	1.3	10	ND		ug/Kg	420925	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/03/14	1	4.2	10	ND		ug/Kg	420925	NA
Hexachlorobutadiene	SW8260B	NA	06/03/14	1	2.6	10	ND		ug/Kg	420925	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.1	10	ND		ug/Kg	420925	NA
Naphthalene	SW8260B	NA	06/03/14	1	2.8	10	ND		ug/Kg	420925	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/03/14	1	2.9	10	ND		ug/Kg	420925	NA
(S) Dibromofluoromethane	SW8260B	NA	06/03/14	1	59.8	148	129		%	420925	NA
(S) Toluene-d8	SW8260B	NA	06/03/14	1	55.2	133	125		%	420925	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/03/14	1	55.8	141	120		%	420925	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Suzanne Nase
URS (Oakland)

Date Received: 05/30/14
Date Reported: 06/06/14

Client Sample ID:	A-14-030 Comp	**Lab Sample ID:**	1405201-041A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:	28645477.23001		
Date/Time Sampled:	05/30/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	6/3/14	06/03/14	1	30	100	ND		ug/Kg	420925	11818
(S) 4-Bromofluorobenzene	8260TPH	6/3/14	06/03/14	1	43.9	127	88.7		%	420925	11818

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/4/14	06/04/14	1	0.66	2.0	3.6	x	mg/Kg	420958	11825
TPH as Motor Oil (SG)	SW8015B(M)	6/4/14	06/04/14	1	1.0	10	ND		mg/Kg	420958	11825
Pentacosane (S)	SW8015B(M)	6/4/14	06/04/14	1	49.9	144	99.4		%	420958	11825

NOTE: x- Diesel result due to unknown organics within quantified range

MB Summary Report

Work Order:	1405201	**Prep Method:**	3050	**Prep Date:**	06/02/14	**Prep Batch:**	11793
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	06/02/14	**Analytical Batch:**	420889
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.48	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.13	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	ND	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.075	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

Work Order:	1405201	**Prep Method:**	7470A	**Prep Date:**	06/02/14	**Prep Batch:**	11796
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420894
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	

Work Order:	1405201	**Prep Method:**	7471	**Prep Date:**	06/02/14	**Prep Batch:**	11797
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420895
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1405201	**Prep Method:**	3005	**Prep Date:**	06/02/14	**Prep Batch:**	11799
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	06/02/14	**Analytical Batch:**	420896
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	0.00503	
Arsenic (Dissolved)	0.005	0.009	ND	
Barium (Dissolved)	0.002	0.009	ND	
Beryllium (Dissolved)	0.002	0.005	ND	
Cadmium (Dissolved)	0.001	0.005	ND	
Chromium (Dissolved)	0.002	0.005	ND	
Cobalt (Dissolved)	0.002	0.005	ND	
Copper (Dissolved)	0.003	0.009	ND	
Lead (Dissolved)	0.005	0.014	ND	
Molybdenum (Dissolved)	0.002	0.009	ND	
Nickel (Dissolved)	0.002	0.009	ND	
Selenium (Dissolved)	0.004	0.02	ND	
Silver (Dissolved)	0.002	0.005	ND	
Thallium (Dissolved)	0.004	0.009	ND	
Vanadium (Dissolved)	0.004	0.009	ND	
Zinc (Dissolved)	0.002	0.009	ND	

Work Order:	1405201	**Prep Method:**	3510_TPHSG	**Prep Date:**	06/03/14	**Prep Batch:**	11811
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420937
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	0.048	
TPH as Motor Oil (SG)	0.0920	0.40	ND	
Pentacosane (S)			75.3	

Work Order:	1405201	**Prep Method:**	3510_TPHSG	**Prep Date:**	06/03/14	**Prep Batch:**	11811
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420937
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Mineral Oil	0.0920	0.20	0.14	
TPH as Transformer Oil	0.0920	0.20	ND	
Pentacosane (S)			75.3	

MB Summary Report

Work Order:	1405201	**Prep Method:**	5035	**Prep Date:**	06/03/14	**Prep Batch:**	11818
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420925
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			110	

Work Order:	1405201	**Prep Method:**	3546_TPHSG	**Prep Date:**	06/04/14	**Prep Batch:**	11825
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/04/14	**Analytical Batch:**	420958
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	4.0	
Pentacosane (S)			114	

Work Order:	1405201	**Prep Method:**	5030	**Prep Date:**	06/04/14	**Prep Batch:**	11842
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/04/14	**Analytical Batch:**	420970
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	ND	
(S) 4-Bromofluorobenzene			103	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420925
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420925
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	
(S) Dibromofluoromethane			113	
(S) Toluene-d8			120	
(S) 4-Bromofluorobenzene			106	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/05/14	**Analytical Batch:**	420962
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/05/14	**Analytical Batch:**	420962
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	
(S) Dibromofluoromethane			115	
(S) Toluene-d8			118	
(S) 4-Bromofluorobenzene			106	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420964
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.18	0.50	ND	
Chloromethane	0.16	0.50	ND	
Vinyl Chloride	0.16	0.50	ND	
Bromomethane	0.18	0.50	ND	
Trichlorofluoromethane	0.18	0.50	ND	
1,1-Dichloroethene	0.15	0.50	ND	
Freon 113	0.19	0.50	ND	
Methylene Chloride	0.23	5.0	ND	
trans-1,2-Dichloroethene	0.19	0.50	ND	
MTBE	0.17	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.13	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.17	0.50	ND	
cis-1,2-Dichloroethene	0.19	0.50	ND	
2,2-Dichloropropane	0.15	0.50	ND	
Bromochloromethane	0.20	0.50	ND	
Chloroform	0.13	0.50	ND	
Carbon Tetrachloride	0.15	0.50	ND	
1,1,1-Trichloroethane	0.097	0.50	ND	
1,1-Dichloropropene	0.15	0.50	ND	
Benzene	0.13	0.50	ND	
TAME	0.17	0.50	ND	
1,2-Dichloroethane	0.14	0.50	ND	
Trichloroethylene	0.13	0.50	ND	
Dibromomethane	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.13	0.50	ND	
cis-1,3-Dichloropropene	0.096	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.14	0.50	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
1,1,2-Trichloroethane	0.14	0.50	ND	
Dibromochloromethane	0.096	0.50	ND	
1,3-Dichloropropane	0.10	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.096	0.50	ND	
m,p-Xylene	0.13	1.0	ND	
o-Xylene	0.15	0.50	ND	

MB Summary Report

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420964
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.21	0.50	ND	
Bromoform	0.21	1.0	ND	
Isopropyl Benzene	0.097	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.11	0.50	ND	
n-Propylbenzene	0.078	0.50	ND	
2-Chlorotoluene	0.076	0.50	ND	
1,3,5,-Trimethylbenzene	0.074	0.50	ND	
4-Chlorotoluene	0.088	0.50	ND	
tert-Butylbenzene	0.081	0.50	ND	
1,2,3-Trichloropropane	0.14	0.50	ND	
1,2,4-Trimethylbenzene	0.083	0.50	ND	
sec-Butyl Benzene	0.092	0.50	ND	
p-Isopropyltoluene	0.093	0.50	ND	
1,3-Dichlorobenzene	0.10	0.50	ND	
1,4-Dichlorobenzene	0.069	0.50	ND	
n-Butylbenzene	0.081	0.50	ND	
1,2-Dichlorobenzene	0.057	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND	
Hexachlorobutadiene	0.19	0.50	ND	
1,2,4-Trichlorobenzene	0.12	0.50	ND	
Naphthalene	0.14	1.0	ND	
1,2,3-Trichlorobenzene	0.23	0.50	ND	
(S) Dibromofluoromethane			99.3	
(S) Toluene-d8			84.4	
(S) 4-Bromofluorobenzene			89.8	
Ethanol	0.21	0.50	ND	TIC

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405201	**Prep Method:**	3050	**Prep Date:**	06/02/14	**Prep Batch:**	11793
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	06/02/14	**Analytical Batch:**	420889
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.8	95.3	0.544	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	92.8	92.4	0.475	71 - 121	30	
Barium	0.07	5.0	0.48	50	93.0	92.4	0.626	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	94.7	88.8	6.77	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	90.4	88.8	1.77	68.7 - 110	30	
Chromium	0.050	5.0	0.13	50	94.5	93.2	1.39	76 - 116	30	
Cobalt	0.055	5.0	ND	50	91.6	90.2	1.51	57.4 - 122	30	
Copper	0.65	5.0	ND	50	95.8	94.6	1.25	74.8 - 119	30	
Lead	0.14	1.0	ND	50	94.0	93.6	0.437	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.5	97.2	0.329	62.9 - 123	30	
Nickel	0.050	5.0	0.075	50	92.8	90.5	2.49	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	88.1	87.8	0.330	62 - 111	30	
Silver	0.37	1.0	ND	50	91.6	90.9	0.756	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	93.2	92.9	0.333	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	91.7	90.6	1.25	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	89.4	87.8	1.83	59.9 - 122	30	

Work Order:	1405201	**Prep Method:**	7470A	**Prep Date:**	06/02/14	**Prep Batch:**	11796
Matrix:	Water	**Analytical Method:**	SW7470A	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420894
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	ND	0.015	96.1	98.0	4.88	80 - 120	20	

Work Order:	1405201	**Prep Method:**	7471	**Prep Date:**	06/02/14	**Prep Batch:**	11797
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420895
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	86.1	86.2	0.0774	80.5 - 133	30	

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LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405201	**Prep Method:**	3005	**Prep Date:**	06/02/14	**Prep Batch:**	11799
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	06/02/14	**Analytical Batch:**	420896
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	0.00503	1	95.3	91.1	4.48	80 - 120	20	
Arsenic (Dissolved)	0.005	0.009	ND	1	96.1	91.5	5.15	80 - 120	20	
Barium (Dissolved)	0.002	0.009	ND	1	94.5	94.5	0.374	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	ND	1	91.4	92.4	1.56	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	ND	1	92.5	91.9	0.140	80 - 120	20	
Chromium (Dissolved)	0.002	0.005	ND	1	98.9	93.6	5.00	80 - 120	20	
Cobalt (Dissolved)	0.002	0.005	ND	1	94.3	93.8	0.330	80 - 120	20	
Copper (Dissolved)	0.003	0.009	ND	1	95.2	95.3	0.0225	80 - 120	20	
Lead (Dissolved)	0.005	0.014	ND	1	95.1	91.1	4.41	80 - 120	20	
Molybdenum (Dissolved)	0.002	0.009	ND	1	96.7	91.7	4.94	80 - 120	20	
Nickel (Dissolved)	0.002	0.009	ND	1	93.7	93.2	0.994	80 - 120	20	
Selenium (Dissolved)	0.004	0.02	ND	1	96.4	91.7	4.91	80 - 120	20	
Silver (Dissolved)	0.002	0.005	ND	1	94.6	94.3	0.170	80 - 120	20	
Thallium (Dissolved)	0.004	0.009	ND	1	95.2	91.3	4.21	80 - 120	20	
Vanadium (Dissolved)	0.004	0.009	ND	1	94.1	94.3	0.114	80 - 120	20	
Zinc (Dissolved)	0.002	0.009	ND	1	92.9	93.7	0.664	80 - 120	20	

Work Order:	1405201	**Prep Method:**	3510_TPHSG	**Prep Date:**	06/03/14	**Prep Batch:**	11811
Matrix:	Water	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420937
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	0.048	1	63.0	47.6	27.8	36.5 - 91.3	30	
Pentacosane (S)			ND	100	98.5	96.2		50.8 - 139		

Work Order:	1405201	**Prep Method:**	5035	**Prep Date:**	06/03/14	**Prep Batch:**	11818
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420925
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	84.2	109	25.3	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			110	50	109	110		43.9 - 127		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405201	**Prep Method:**	3546_TPHSG	**Prep Date:**	06/04/14	**Prep Batch:**	11825
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	06/04/14	**Analytical Batch:**	420958
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	107	109	1.57	50.8 - 111	30	
Pentacosane (S)			4.0	100	106	104		49.9 - 144		

Work Order:	1405201	**Prep Method:**	5030	**Prep Date:**	06/04/14	**Prep Batch:**	11842
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/04/14	**Analytical Batch:**	420970
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	ND	238.1	104	106	1.90	52.4 - 127	30	
(S) 4-Bromofluorobenzene			103	11.9	103	102		41.5 - 125		

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420925
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	86.8	80.0	8.16	53.7 - 139	30	
Benzene	1.5	10	ND	50	110	105	4.46	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	112	108	3.31	57.5 - 150	30	
Toluene	0.98	10	ND	50	115	110	4.43	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	112	107	4.80	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	115	115		59.8 - 148		
(S) Toluene-d8			ND	50	119	117		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	108	109		55.8 - 141		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/05/14	**Analytical Batch:**	420962
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	105	99.0	6.25	53.7 - 139	30	
Benzene	1.5	10	ND	50	108	101	6.65	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	107	101	5.83	57.5 - 150	30	
Toluene	0.98	10	ND	50	107	98.5	8.50	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	92.4	86.0	7.14	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	113	114		59.8 - 148		
(S) Toluene-d8			ND	50	118	116		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	110	111		55.8 - 141		

Work Order:	1405201	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420964
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	81.2	79.2	2.44	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	85.5	90.2	5.17	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	97.2	101	3.77	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	91.8	92.7	0.941	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	85.4	89.9	4.85	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.9	84.7	87.7		61.2 - 131		
(S) Toluene-d8			ND	11.9	85.9	82.3		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.9	85.3	83.0		64.1 - 120		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1405201	**Prep Method:**	7470A	**Prep Date:**	06/02/14	**Prep Batch:**	11796
Matrix:	**Water**	**Analytical Method:**	SW7470A	**Analyzed Date:**	06/03/14	**Analytical Batch:**	420894
Spiked Sample:	1405201-012C						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	0.00002	0.015	86.8	86.0	0.617	75 - 125	20	

Work Order:	1405201	**Prep Method:**	3005	**Prep Date:**	06/02/14	**Prep Batch:**	11799
Matrix:	**Water**	**Analytical Method:**	SW6010B	**Analyzed Date:**	06/02/14	**Analytical Batch:**	420896
Spiked Sample:	1405201-012C						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	0.011	1	92.7	92.4	0.627	75 - 125	20	
Arsenic (Dissolved)	0.005	0.009	0.00	1	95.1	95.4	0.180	75 - 125	20	
Barium (Dissolved)	0.002	0.009	0.116	1	88.8	86.0	3.27	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	0	1	89.1	91.3	2.80	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	0.00	1	93.5	93.3	0.253	75 - 125	20	
Chromium (Dissolved)	0.002	0.005	0.00	1	92.8	93.8	0.722	75 - 125	20	
Cobalt (Dissolved)	0.002	0.005	0.00	1	90.1	90.7	0.912	75 - 125	20	
Copper (Dissolved)	0.003	0.009	0.00	1	90.5	87.7	3.59	75 - 125	20	
Lead (Dissolved)	0.005	0.014	0.00	1	88.2	88.8	1.20	75 - 125	20	
Molybdenum (Dissolved)	0.002	0.009	0.019	1	92.4	93.4	1.38	75 - 125	20	
Nickel (Dissolved)	0.002	0.009	0.00	1	88.9	89.9	1.25	75 - 125	20	
Selenium (Dissolved)	0.004	0.02	0.00	1	94.6	95.5	1.42	75 - 125	20	
Silver (Dissolved)	0.002	0.005	0.00	1	91.9	89.3	3.01	75 - 125	20	
Thallium (Dissolved)	0.004	0.009	0.00	1	88.4	88.6	0.181	75 - 125	20	
Vanadium (Dissolved)	0.004	0.009	0.00	1	92.4	90.3	1.93	75 - 125	20	
Zinc (Dissolved)	0.002	0.009	0.013	1	89.7	90.4	0.925	75 - 125	20	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1405201

Date and Time Received: 5/30/2014 6:00

Received By: ldi

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	5	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	Yes			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/30/2014
Report Due Date:	6/6/2014		**Time Received:**	6:00

Comments:

Work Order # : ***1405201***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405201-001A	A-14-001 8.5-10'	05/27/14 23:00	Soil	11/26/14			Composite	
Sample Note:	Composite samples from same location for soils.Lab to filter water samples for dissolved metals							
1405201-002A	A-14-001 18.5-20'	05/27/14 23:30	Soil	11/26/14			Composite	
1405201-003A	A-14-001 28.5-30'	05/27/14 23:45	Soil	11/26/14			Composite	
1405201-004A	A-14-002 8.5-10'	05/28/14 12:03	Soil	11/26/14			Composite	
1405201-005A	A-14-002 18.5-20'	05/28/14 12:22	Soil	11/26/14			Composite	
1405201-006A	A-14-002 28.5-30'	05/28/14 12:40	Soil	11/26/14			Composite	
1405201-007A	A-14-003 8.5-10'	05/28/14 2:04	Soil	11/26/14			Composite	
1405201-008A	A-14-003 18.5-20'	05/28/14 2:20	Soil	11/26/14			Composite	
1405201-009A	A-14-003 28.5-30'	05/28/14 2:36	Soil	11/26/14			Composite	
1405201-010A	A-14-004 8.5-10'	05/28/14 3:32	Soil	11/26/14			Composite	
1405201-011A	A-14-004 18.5-20'	05/28/14 3:40	Soil	11/26/14			Composite	
1405201-012A	A-14-004	05/28/14 3:45	Water	11/26/14			W_GCMS-GRO W_8260Full	
1405201-012B	A-14-004	05/28/14 3:45	Water	11/26/14			W_TPHDOSG	
1405201-012C	A-14-004	05/28/14 3:45	Water	11/26/14			W_D7470AHG W_D6010BCAM17	
1405201-013A	Comp.A14-001	05/28/14	Soil	11/26/14			S_7471BHG S_8260Full S_GCMS-GRO S_6010BCAM17	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/30/2014
Report Due Date:	6/6/2014		**Time Received:**	6:00

Comments:

Work Order # : ***1405201***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405201-014A	Comp.A14-002	05/28/14	Soil	11/26/14			S_TPHDOSG S_7471BHG S_8260Full S_GCMS-GRO S_6010BCAM17 S_TPHDOSG	
1405201-015A	Comp.A14-003	05/28/14	Soil	11/26/14			S_7471BHG S_6010BCAM17 S_8260Full S_TPHDOSG S_GCMS-GRO	
1405201-016A	Comp.A14-004	05/28/14	Soil	11/26/14			S_7471BHG S_6010BCAM17 S_GCMS-GRO S_TPHDOSG S_8260Full	
1405201-017A	A-14-008 8.5-10'	05/28/14 22:12	Soil	11/26/14			Composite	
1405201-018A	A-14-008 18.5-20'	05/28/14 22:26	Soil	11/26/14			Composite	
1405201-019A	A-14-008 28.5-30'	05/27/14 22:44	Soil	11/26/14			Composite	
1405201-020A	A-14-008	05/28/14 22:55	Water	11/26/14			W_GCMS-GRO W_8260Full	
1405201-020B	A-14-008	05/28/14 22:55	Water	11/26/14			W_TPHDOSG	
1405201-020C	A-14-008	05/28/14 22:55	Water	11/26/14			W_D7470AHG W_D6010BCAM17	
1405201-021A	A-14-010 8.5-10'	05/29/14 0:06	Soil	11/26/14			Composite	
1405201-022A	A-14-010 18.5-20'	05/29/14 0:26	Soil	11/26/14			Composite	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/30/2014
Report Due Date:	6/6/2014		**Time Received:**	6:00

Comments:

Work Order # : ***1405201***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405201-023A	A-14-010 28.5-30'	05/29/14 1:01	Soil	11/26/14			Composite	
1405201-024A	A-14-031 8.5-10'	05/29/14 2:25	Soil	11/26/14			Composite	
1405201-025A	A-14-031 18.5-20'	05/29/14 2:42	Soil	11/26/14			Composite	
1405201-026A	A-14-031	05/28/14 3:44	Water	11/26/14			W_GCMS-GRO W_8260Full	
1405201-026B	A-14-031	05/28/14 3:44	Water	11/26/14			W_TPHDOSG	
1405201-026C	A-14-031	05/28/14 3:44	Water	11/26/14			W_D7470AHG W_D6010BCAM17	
1405201-027A	A-14-008 Comp	05/28/14	Soil	11/26/14			S_7471BHG S_6010BCAM17 S_TPHDOSG S_8260Full S_GCMS-GRO	
1405201-028A	A-14-010 Comp	05/29/14	Soil	11/26/14			S_7471BHG S_GCMS-GRO S_TPHDOSG S_8260Full S_6010BCAM17	
1405201-029A	A-14-031 Comp	05/29/14	Soil	11/26/14			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1405201-030A	A-14-027 8.5-10'	05/29/14 22:22	Soil	11/26/14			Composite	
1405201-031A	A-14-027 18.5-20'	05/29/14 22:47	Soil	11/26/14			Composite	
1405201-032A	A-14-027 28.5-30'	05/29/14 23:15	Soil	11/26/14				

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :	28645477.23001		**Date Received:**	5/30/2014
Report Due Date:	6/6/2014		**Time Received:**	6:00

Comments:

Work Order # : ***1405201***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1405201-033A	A-14-028 8.5-10'	05/30/14 12:01	Soil	11/26/14			Composite	
1405201-034A	A-14-028 18.5-20'	05/30/14 12:18	Soil	11/26/14			Composite	
1405201-035A	A-14-028 28.5-30'	05/30/14 12:38	Soil	11/26/14			Composite	
1405201-036A	A-14-030 8.5-10'	05/30/14 1:29	Soil	11/26/14			Composite	
1405201-037A	A-14-030 18.5-20'	05/30/14 1:50	Soil	11/26/14			Composite	
1405201-038A	A-14-030 28.5-30'	05/30/14 2:08	Soil	11/26/14			Composite	
1405201-039A	A-14-027 Comp	05/29/14	Soil	11/26/14			Composite S_7471BHG S_6010BCAM17 S_8260Full S_TPHDOSG S_GCMS-GRO	
1405201-040A	A-14-028 Comp	05/30/14	Soil	11/26/14			S_7471BHG S_TPHDOSG S_6010BCAM17 S_8260Full S_GCMS-GRO	
1405201-041A	A-14-030 Comp	05/30/14	Soil	11/26/14			S_7471BHG S_TPHDOSG S_GCMS-GRO S_8260Full S_6010BCAM17	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258 RESET
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

LAB WORK ORDER NO: 1405201

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland State: CA Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan SAMPLER: ~~Joe Bander~~ MADHU THUMMALA	P.O. #: 28645477.23001 EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
001A	A-14-001 8.5'-10'	5/27/14 23:00	SOIL	1	STEEL	✓	✓	✓	✓	✓					
002A	A-14-001 18.5'-20'	5/27/14 23:30				✓	✓	✓	✓	✓	013A				
003A	A-14-001 28.5'-30'	5/27/14 23:45				✓	✓	✓	✓	✓					
004A	A-14-002 8.5'-10'	5/28/14 12:03				✓	✓	✓	✓	✓	014A				
005A	A-14-002 18.5'-20'	5/28/14 12:22				✓	✓	✓	✓	✓					
006A	A-14-002 28.5'-30'	5/28/14 12:40				✓	✓	✓	✓	✓					
007A	A-14-003 8.5'-10'	5/28/14 2:04				✓	✓	✓	✓	✓	015A				
008A	A-14-003 18.5'-20'	5/28/14 2:20				✓	✓	✓	✓	✓					
009A	A-14-003 28.5'-30'	5/28/14 2:36				✓	✓	✓	✓	✓					Temp 5°C
010A	A-14-004 8.5'-10'	5/28/14 3:32				✓	✓	✓	✓	✓					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMA	5/28/14	5:30	[signature]	L. D. Inhat		
2	Rogelio Madrigal		5-28-14		Rogelio Madrigal		5-28-14	6:00

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange-ments are made.

Page ____ of ____

Log In By: REC LI LBL LIR Date: Log In Reviewed By: Date:

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405201

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: Joe Bandel	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
-011A	A-4-004 18.5'-20'	5/28/14 3:40	SOIL	1	STEEL	✓	✓	✓	✓	✓	-016A				
-012A	A-4-004	5/28/14 3:45	GW	10	2 amber 2 poly 6 VOLTS	✓	✓	✓	✓	✓					
															Temp 5°C

Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	MADHU THUMMALA	5/28/14	5:30				
2 Roger Lio madrigal		5-28-14	6:00	Roger Lio madrigal	L.D. Imbert	5-28-14	6:00

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: ____ Date: ____ Log In Reviewed By: ____ Date: ____

REC LI LBL LIR

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
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FAX: 408.263.8293
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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1405201

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: Joe Bandel	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
017A	A-14-008 8.5'-10'	5/28/14 22:19	SOIL	1	STEEL	✓	✓	✓	✓	✓		027A			
018A	A-14-008 18.5'-20'	5/28/14 22:26	SOIL	1		✓	✓	✓	✓	✓					
019A	A-14-008 28.5'-30'	5/28/14 22:44	SOIL	1		✓	✓	✓	✓	✓					
020A/B/C	A-14-008	5/28/14 22:55	GW	~~2 Amber~~ 2 Amber 2 Poly 6 VOLS 10		✓	✓	✓	✓	✓					
021A	A-14-010 8.5'-10'	5/29/14 12:06	SOIL	1	STEEL	✓	✓	✓	✓	✓		028A			
022A	A-14-010 18.5'-20'	5/29/14 12:26	SOIL	1	STEEL	✓	✓	✓	✓	✓					
023A	A-14-010 28.5'-30'	5/29/14 1:01	SOIL	1	STEEL	✓	✓	✓	✓	✓					
024A	A-14-031 8.5'-10'	5/29/14 2:25	SOIL	1	STEEL	✓	✓	✓	✓	✓		029A			
025A	A-14-031 18.5'-20'	5/29/14 2:42	SOIL	1	STEEL	✓	✓	✓	✓	✓					
026A/B/C	A-14-031 GW	5/29/14 3:44	GW	10	2 Amber 2 Poly 6 VOLS	✓	✓	✓	✓	✓				Temp 4°C	

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	MADHU THUMMALURU	5/29/14	5:30	Rogelio	Madrigal	5-29-14	
2	Rogelio Madrigal		5-29-14		[signature]	L.D. Imbert		

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date:

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RESET

CHAIN OF CUSTODY

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

LAB WORK ORDER NO: 1405201

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose: waste characterization
City: Oakland / State: CA / Zip Code: 94612	Special Instructions / Comments: Lab to filter water samples. Analyze soil for total metals
Telephone: 510-874-3196 / FAX: 510-874-3268	Analyze water for dissolved metals. Composite soil samples from same locations
REPORT TO: Suzanne Nase/Joe Morgan / SAMPLER: ~~Joe Bandel~~ MADHU THUMMALURU	P.O. #: 28645477.23001 / EMAIL: suzanne.nase@urs.com

TURNAROUND TIME: [x] 10 Work Days [ ] 3 Work Days [ ] Noon - Nxt Day [ ] 7 Work Days [ ] 2 Work Days [ ] 2 - 8 Hours [ ] 5 Work Days [ ] 1 Work Day [ ] Other

SAMPLE TYPE: [ ] Storm Water [ ] Air [ ] Waste Water [ ] Other [x] Ground Water [x] Soil

REPORT FORMAT: [ ] QC Level IV [ ] EDF [ ] Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM 17 Metals	VOCs w/gas ox	TPH-G	TPH-D	TPH-mo					REMARKS
030A	A-14027 8.5'-10'	5/29/14 22:22	SOIL	1	STEEL	✓	✓	✓	✓	✓	039A				
031A	A-14027 18.5'-20'	5/29/14 22:47				✓	✓	✓	✓	✓	~~040A~~			5/30/14	
032A	A-14027 28.5'-30'	5/29/14 23:15				✓	✓	✓	✓	✓					
033A	A-14028 8.5'-10'	5/30/14 19:01				✓	✓	✓	✓	✓					
034A	A-14028 18.5'-20'	5/30/14 19:18				✓	✓	✓	✓	✓	040A				
035A	A-14028 28.5'-30'	5/30/14 19:38				✓	✓	✓	✓	✓					
036A	A-14030 8.5'-10'	5/30/14 1:29				✓	✓	✓	✓	✓	041A ~~042A~~			5/30/14	
037A	A-14030 18.5'-20'	5/30/14 1:50				✓	✓	✓	✓	✓					
038A	A-14030 28.5'-30'	5/30/14 2:08				✓	✓	✓	✓	✓					
~~039A~~		5/30/14													

Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
[signature]	MADHU THUMMALURU	5/30/14	5:00	[signature]	[signature] D. Imbal	5-30-14	7:00
2 Rogelio	medrigal	5-30-14	7:00	Rogelio	medrigal	5-30-14	7:00

Were Samples Received in Good Condition? [ ] Yes [ ] NO Samples on Ice? [ ] Yes [ ] NO Method of Shipment FC Sample seals intact? [ ] Yes [ ] NO [ ] N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: Temp 4°C

Page ___ of ___

URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409098 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 18 sample(s) on September 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 06, 2014
Date

Date: 10/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409098

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method S_6010B, 1409098-001A MS/MSD, QC Analytical Batch ID 422503, Note:The % recoveries for Barium, Chromium and Lead are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include STLC and TCLP data for Lead on client designated samples.

Note: The 1:10 STLC to TTLC ratio is exceeded in sample -001, likely due to sample heterogeneity.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/1/14 at 5:20 PM to 10/3/14 at 2:00 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid # 1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 10/2/14 at 3:00 PM to 10/3/14 at 9:40 AM.

Rev. 1 (10/6/14)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP8-8A-0-0.5 1409098-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	4.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	43	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	32	mg/Kg
Lead	SW6010B	1	0.14	1.0	78	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	44	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	39	mg/Kg
Zinc	SW6010B	1	0.25	5.0	81	mg/Kg
pH	SW9045C	1	0.10	2.0	7.93	S.U.
TPH as Motor Oil (SG)	SW8015B(M)	5	5.1	52	400	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	3.53	%
Lead (STLC)	SW6010B	1	0.0500	0.10	10	mg/L

MVP8-8A-1.0-1.5 1409098-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	93	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	11.1	%
Lead (STLC)	SW6010B	1	0.0500	0.10	3.6	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP8-8A-1.5-2.0 1409098-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	12.6	%
Lead	SW6010B	1	0.13	1.0	12	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	40	mg/Kg

MVP8-8B-0-0.5 1409098-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	96	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	3.8	mg/L

MVP8-8B-1.0-1.5 1409098-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	21	mg/Kg

MVP8-8B-1.5-2.0 1409098-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	9.1	mg/Kg

MVP8-8C-0-0.5 1409098-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	71	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	5.07	%
TPH as Motor Oil (SG)	SW8015B(M)	5	5.1	52	270	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	0.91	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP8-8C-1.0-1.5 1409098-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	10.2	%
Lead	SW6010B	1	0.13	1.0	54	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	52	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	2.3	mg/L

MVP8-8C-1.5-2.0 1409098-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	6.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	20	mg/Kg
Lead	SW6010B	1	0.14	1.0	100	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	24	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	36	mg/Kg
Zinc	SW6010B	1	0.25	5.0	52	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	10.5	%
pH	SW9045C	1	0.10	2.0	7.66	S.U.
Lead (STLC)	SW6010B	1	0.0500	0.10	7.1	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	0.13	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP9-9B-0-0.5 1409098-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	33	mg/Kg

MVP9-9B-1.0-1.5 1409098-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.6	mg/Kg

MVP9-9B-1.5-2.0 1409098-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.7	mg/Kg

MVP9-9C-0-0.5 1409098-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	8.71	%
Lead	SW6010B	1	0.13	1.0	9.6	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	24	mg/Kg

MVP9-9C-1.0-1.5 1409098-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	10.6	%
Lead	SW6010B	1	0.13	1.0	10	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	21	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP9-9C-1.5-2.0 1409098-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	10.5	%
Arsenic	SW6010B	1	0.25	1.7	6.2	mg/Kg
Barium	SW6010B	1	0.07	5.0	94	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	22	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	29	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	52	mg/Kg
Zinc	SW6010B	1	0.25	5.0	53	mg/Kg
pH	SW9045C	1	0.10	2.0	8.34	S.U.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP9-9A-0-0.5 1409098-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	11.1	%
Arsenic	SW6010B	1	0.25	1.7	6.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	20	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	23	mg/Kg
Lead	SW6010B	1	0.14	1.0	65	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	27	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	36	mg/Kg
Zinc	SW6010B	1	0.25	5.0	73	mg/Kg
pH	SW9045C	1	0.10	2.0	8.12	S.U.
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	75	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	3.0	mg/L

MVP9-9A-1.0-1.5 1409098-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	12.8	%
Lead	SW6010B	1	0.13	1.0	8.6	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP9-9A-1.5-2.0 1409098-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	14.8	%
Lead	SW6010B	1	0.13	1.0	9.1	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	12	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-0-0.5	**Lab Sample ID:**	1409098-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	3.53		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	10		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	4.7		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	150		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Cadmium	SW6010B	9/23/14	09/23/14	1	0.0550	1.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	43		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	8.2		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	32		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	78		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	44		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	39		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	81		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	7.93		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-0-0.5	**Lab Sample ID:**	1409098-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	5	3.3	10	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	5	5.1	52	400		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	5	49.9	144	97.3		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.0-1.5	**Lab Sample ID:**	1409098-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	11.1		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	3.6		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	93		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/24/14	1	4.4	10	ND		ug/Kg	422541	NA
Chloromethane	SW8260B	NA	09/24/14	1	4.6	10	ND		ug/Kg	422541	NA
Vinyl Chloride	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
Bromomethane	SW8260B	NA	09/24/14	1	4.7	10	ND		ug/Kg	422541	NA
Trichlorofluoromethane	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
1,1-Dichloroethene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
Freon 113	SW8260B	NA	09/24/14	1	3.7	10	ND		ug/Kg	422541	NA
Methylene Chloride	SW8260B	NA	09/24/14	1	2.0	50	ND		ug/Kg	422541	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
MTBE	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
tert-Butanol	SW8260B	NA	09/24/14	1	21	50	ND		ug/Kg	422541	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,1-Dichloroethane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
ETBE	SW8260B	NA	09/24/14	1	2.4	10	ND		ug/Kg	422541	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
2,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Bromochloromethane	SW8260B	NA	09/24/14	1	2.3	10	ND		ug/Kg	422541	NA
Chloroform	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Carbon Tetrachloride	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
1,1,1-Trichloroethane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Benzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
TAME	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.0-1.5	**Lab Sample ID:**	1409098-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dichloroethane	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Trichloroethylene	SW8260B	NA	09/24/14	1	3.9	10	ND		ug/Kg	422541	NA
Dibromomethane	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
Bromodichloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Toluene	SW8260B	NA	09/24/14	1	0.98	10	ND		ug/Kg	422541	NA
Tetrachloroethylene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2-Trichloroethane	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
Dibromochloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,3-Dichloropropane	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
1,2-Dibromoethane	SW8260B	NA	09/24/14	1	1.7	10	ND		ug/Kg	422541	NA
Ethyl Benzene	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
Chlorobenzene	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
m,p-Xylene	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
o-Xylene	SW8260B	NA	09/24/14	1	0.66	5.0	ND		ug/Kg	422541	NA
Styrene	SW8260B	NA	09/24/14	1	0.77	10	ND		ug/Kg	422541	NA
Bromoform	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Isopropyl Benzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
n-Propylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Bromobenzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	3.0	10	ND		ug/Kg	422541	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,2,3-Trichloropropane	SW8260B	NA	09/24/14	1	3.3	10	ND		ug/Kg	422541	NA
4-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
2-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
tert-Butylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
sec-Butyl Benzene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
p-Isopropyltoluene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
1,3-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
1,4-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
n-Butylbenzene	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.0-1.5	**Lab Sample ID:**	1409098-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
Hexachlorobutadiene	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
Naphthalene	SW8260B	NA	09/24/14	1	2.8	10	ND		ug/Kg	422541	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
(S) Dibromofluoromethane	SW8260B	NA	09/24/14	1	59.8	148	118		%	422541	NA
(S) Toluene-d8	SW8260B	NA	09/24/14	1	55.2	133	101		%	422541	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/24/14	1	55.8	141	102		%	422541	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/24/14	09/24/14	1	30	100	ND		ug/Kg	422541	12786
(S) 4-Bromofluorobenzene	8260TPH	9/24/14	09/24/14	1	43.9	127	92.7		%	422541	12786

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.5-2.0	**Lab Sample ID:**	1409098-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	12.6		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	12		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/24/14	1	4.4	10	ND		ug/Kg	422541	NA
Chloromethane	SW8260B	NA	09/24/14	1	4.6	10	ND		ug/Kg	422541	NA
Vinyl Chloride	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
Bromomethane	SW8260B	NA	09/24/14	1	4.7	10	ND		ug/Kg	422541	NA
Trichlorofluoromethane	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
1,1-Dichloroethene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
Freon 113	SW8260B	NA	09/24/14	1	3.7	10	ND		ug/Kg	422541	NA
Methylene Chloride	SW8260B	NA	09/24/14	1	2.0	50	ND		ug/Kg	422541	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
MTBE	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
tert-Butanol	SW8260B	NA	09/24/14	1	21	50	ND		ug/Kg	422541	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,1-Dichloroethane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
ETBE	SW8260B	NA	09/24/14	1	2.4	10	ND		ug/Kg	422541	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
2,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Bromochloromethane	SW8260B	NA	09/24/14	1	2.3	10	ND		ug/Kg	422541	NA
Chloroform	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Carbon Tetrachloride	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
1,1,1-Trichloroethane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Benzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
TAME	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
1,2-Dichloroethane	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Trichloroethylene	SW8260B	NA	09/24/14	1	3.9	10	ND		ug/Kg	422541	NA
Dibromomethane	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.5-2.0	**Lab Sample ID:**	1409098-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Toluene	SW8260B	NA	09/24/14	1	0.98	10	ND		ug/Kg	422541	NA
Tetrachloroethylene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2-Trichloroethane	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
Dibromochloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,3-Dichloropropane	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
1,2-Dibromoethane	SW8260B	NA	09/24/14	1	1.7	10	ND		ug/Kg	422541	NA
Ethyl Benzene	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
Chlorobenzene	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
m,p-Xylene	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
o-Xylene	SW8260B	NA	09/24/14	1	0.66	5.0	ND		ug/Kg	422541	NA
Styrene	SW8260B	NA	09/24/14	1	0.77	10	ND		ug/Kg	422541	NA
Bromoform	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Isopropyl Benzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
n-Propylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Bromobenzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	3.0	10	ND		ug/Kg	422541	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,2,3-Trichloropropane	SW8260B	NA	09/24/14	1	3.3	10	ND		ug/Kg	422541	NA
4-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
2-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
tert-Butylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
sec-Butyl Benzene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
p-Isopropyltoluene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
1,3-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
1,4-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
n-Butylbenzene	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
Hexachlorobutadiene	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
Naphthalene	SW8260B	NA	09/24/14	1	2.8	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8A-1.5-2.0	**Lab Sample ID:**	1409098-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
(S) Dibromofluoromethane	SW8260B	NA	09/24/14	1	59.8	148	115		%	422541	NA
(S) Toluene-d8	SW8260B	NA	09/24/14	1	55.2	133	98.4		%	422541	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/24/14	1	55.8	141	98.4		%	422541	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/24/14	09/24/14	1	30	100	ND		ug/Kg	422541	12786
(S) 4-Bromofluorobenzene	8260TPH	9/24/14	09/24/14	1	43.9	127	98.7		%	422541	12786

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	40		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	74.5		%	422512	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8B-0-0.5	**Lab Sample ID:**	1409098-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	3.8		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	96		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8B-1.0-1.5	**Lab Sample ID:**	1409098-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	21		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8B-1.5-2.0	**Lab Sample ID:**	1409098-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	9.1		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-0-0.5	**Lab Sample ID:**	1409098-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	5.07		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	0.91		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	71		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	5	3.3	10	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	5	5.1	52	270		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	5	49.9	144	79.5		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.0-1.5	**Lab Sample ID:**	1409098-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	10.2		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	2.3		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	54		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.0-1.5	**Lab Sample ID:**	1409098-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.0-1.5	**Lab Sample ID:**	1409098-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	89.3		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.9		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	72.0		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	57.4		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	52		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	84.0		%	422512	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.5-2.0	**Lab Sample ID:**	1409098-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	10.5		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	7.1		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	0.13		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	6.1		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	150		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Cadmium	SW6010B	9/23/14	09/23/14	1	0.0550	1.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	18		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	9.5		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	20		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	100		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	24		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	36		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	52		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.5-2.0	**Lab Sample ID:**	1409098-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.5-2.0	**Lab Sample ID:**	1409098-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	96.2		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	80.0		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	68.9		%	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP8-8C-1.5-2.0	**Lab Sample ID:**	1409098-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	51.9		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	7.66		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9B-0-0.5	**Lab Sample ID:**	1409098-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	33		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9B-1.0-1.5	**Lab Sample ID:**	1409098-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	6.6		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9B-1.5-2.0	**Lab Sample ID:**	1409098-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	6.7		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-0-0.5	**Lab Sample ID:**	1409098-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	8.71		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	9.6		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	24		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	85.4		%	422512	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.0-1.5	**Lab Sample ID:**	1409098-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	10.6		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	10		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.0-1.5	**Lab Sample ID:**	1409098-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.0-1.5	**Lab Sample ID:**	1409098-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	96.1		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.8		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	70.6		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	54.9		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	21		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	87.8		%	422512	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.5-2.0	**Lab Sample ID:**	1409098-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	10.5		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	6.2		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	94		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	22		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	11		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	26		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	8.5		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	29		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	52		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	53		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.5-2.0	**Lab Sample ID:**	1409098-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.5-2.0	**Lab Sample ID:**	1409098-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	95.7		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	78.2		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	71.6		%	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9C-1.5-2.0	**Lab Sample ID:**	1409098-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	62.3		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	8.34		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-0-0.5	**Lab Sample ID:**	1409098-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	11.1		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	3.0		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	6.4		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	130		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	20		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	9.3		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	23		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	65		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	27		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	36		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	73		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	8.12		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-0-0.5	**Lab Sample ID:**	1409098-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	75		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	79.6		%	422512	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.0-1.5	**Lab Sample ID:**	1409098-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	12.8		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	8.6		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.0-1.5	**Lab Sample ID:**	1409098-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.0-1.5	**Lab Sample ID:**	1409098-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	101		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	77.6		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	72.0		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	58.0		%	422572	12798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.5-2.0	**Lab Sample ID:**	1409098-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	14.8		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	9.1		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/24/14	1	4.4	10	ND		ug/Kg	422541	NA
Chloromethane	SW8260B	NA	09/24/14	1	4.6	10	ND		ug/Kg	422541	NA
Vinyl Chloride	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
Bromomethane	SW8260B	NA	09/24/14	1	4.7	10	ND		ug/Kg	422541	NA
Trichlorofluoromethane	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
1,1-Dichloroethene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
Freon 113	SW8260B	NA	09/24/14	1	3.7	10	ND		ug/Kg	422541	NA
Methylene Chloride	SW8260B	NA	09/24/14	1	2.0	50	ND		ug/Kg	422541	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
MTBE	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
tert-Butanol	SW8260B	NA	09/24/14	1	21	50	ND		ug/Kg	422541	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,1-Dichloroethane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
ETBE	SW8260B	NA	09/24/14	1	2.4	10	ND		ug/Kg	422541	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
2,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Bromochloromethane	SW8260B	NA	09/24/14	1	2.3	10	ND		ug/Kg	422541	NA
Chloroform	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
Carbon Tetrachloride	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
1,1,1-Trichloroethane	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Benzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
TAME	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
1,2-Dichloroethane	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Trichloroethylene	SW8260B	NA	09/24/14	1	3.9	10	ND		ug/Kg	422541	NA
Dibromomethane	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichloropropane	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.5-2.0	**Lab Sample ID:**	1409098-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Toluene	SW8260B	NA	09/24/14	1	0.98	10	ND		ug/Kg	422541	NA
Tetrachloroethylene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2-Trichloroethane	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
Dibromochloromethane	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,3-Dichloropropane	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
1,2-Dibromoethane	SW8260B	NA	09/24/14	1	1.7	10	ND		ug/Kg	422541	NA
Ethyl Benzene	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
Chlorobenzene	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.86	10	ND		ug/Kg	422541	NA
m,p-Xylene	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
o-Xylene	SW8260B	NA	09/24/14	1	0.66	5.0	ND		ug/Kg	422541	NA
Styrene	SW8260B	NA	09/24/14	1	0.77	10	ND		ug/Kg	422541	NA
Bromoform	SW8260B	NA	09/24/14	1	1.9	10	ND		ug/Kg	422541	NA
Isopropyl Benzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
n-Propylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
Bromobenzene	SW8260B	NA	09/24/14	1	1.2	10	ND		ug/Kg	422541	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	3.0	10	ND		ug/Kg	422541	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
1,2,3-Trichloropropane	SW8260B	NA	09/24/14	1	3.3	10	ND		ug/Kg	422541	NA
4-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
2-Chlorotoluene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
tert-Butylbenzene	SW8260B	NA	09/24/14	1	1.4	10	ND		ug/Kg	422541	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/24/14	1	1.1	10	ND		ug/Kg	422541	NA
sec-Butyl Benzene	SW8260B	NA	09/24/14	1	1.6	10	ND		ug/Kg	422541	NA
p-Isopropyltoluene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
1,3-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.8	10	ND		ug/Kg	422541	NA
1,4-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.5	10	ND		ug/Kg	422541	NA
n-Butylbenzene	SW8260B	NA	09/24/14	1	2.2	10	ND		ug/Kg	422541	NA
1,2-Dichlorobenzene	SW8260B	NA	09/24/14	1	1.3	10	ND		ug/Kg	422541	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/24/14	1	4.2	10	ND		ug/Kg	422541	NA
Hexachlorobutadiene	SW8260B	NA	09/24/14	1	2.6	10	ND		ug/Kg	422541	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.1	10	ND		ug/Kg	422541	NA
Naphthalene	SW8260B	NA	09/24/14	1	2.8	10	ND		ug/Kg	422541	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP9-9A-1.5-2.0	**Lab Sample ID:**	1409098-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 10:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/24/14	1	2.9	10	ND		ug/Kg	422541	NA
(S) Dibromofluoromethane	SW8260B	NA	09/24/14	1	59.8	148	116		%	422541	NA
(S) Toluene-d8	SW8260B	NA	09/24/14	1	55.2	133	100		%	422541	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/24/14	1	55.8	141	98.0		%	422541	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/24/14	09/24/14	1	30	100	ND		ug/Kg	422541	12786
(S) 4-Bromofluorobenzene	8260TPH	9/24/14	09/24/14	1	43.9	127	103		%	422541	12786

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422512	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	12		mg/Kg	422512	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	72.2		%	422512	12759

MB Summary Report

Work Order:	1409098	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.6	
Pentacosane (S)			89.3	

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	0.24	
Arsenic	0.25	1.7	0.33	
Barium	0.07	5.0	0.59	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.15	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.32	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.15	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.37	

Work Order:	1409098	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12772
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422517
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.26	

Work Order:	1409098	**Prep Method:**	5035	**Prep Date:**	09/24/14	**Prep Batch:**	12786
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	80	
(S) 4-Bromofluorobenzene			91.3	

Work Order:	1409098	**Prep Method:**	5035	**Prep Date:**	09/24/14	**Prep Batch:**	12786
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	3000	10000	ND	
(S) 4-Bromofluorobenzene			104	

Work Order:	1409098	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12798
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			55.1	

MB Summary Report

Work Order:	1409098	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

Work Order:	1409098	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12854
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422676
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Cadmium (STLC)	0.0100	0.10	ND	
Chromium (STLC)	0.0200	0.10	ND	
Lead (STLC)	0.0500	0.10	ND	
Nickel (STLC)	0.0200	0.10	ND	
Zinc (STLC)	0.0200	0.10	ND	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	1.3	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			115	
(S) Toluene-d8			108	
(S) 4-Bromofluorobenzene			101	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	440	1000	ND	
Chloromethane	460	1000	ND	
Vinyl Chloride	260	1000	ND	
Bromomethane	470	1000	ND	
Trichlorofluoromethane	290	1000	ND	
1,1-Dichloroethene	150	1000	ND	
Freon 113	370	1000	ND	
Methylene Chloride	200	5000	ND	
trans-1,2-Dichloroethene	110	1000	ND	
MTBE	260	1000	ND	
tert-Butanol	2100	5000	ND	
Diisopropyl ether (DIPE)	220	1000	ND	
1,1-Dichloroethane	130	1000	ND	
ETBE	240	1000	ND	
cis-1,2-Dichloroethene	180	1000	ND	
2,2-Dichloropropane	120	1000	ND	
Bromochloromethane	230	1000	ND	
Chloroform	120	1000	ND	
Carbon Tetrachloride	160	1000	ND	
1,1,1-Trichloroethane	120	1000	ND	
1,1-Dichloropropene	140	1000	ND	
Benzene	150	1000	ND	
TAME	210	1000	ND	
1,2-Dichloroethane	190	1000	ND	
Trichloroethylene	390	1000	ND	
Dibromomethane	220	1000	ND	
1,2-Dichloropropane	130	1000	ND	
Bromodichloromethane	110	1000	ND	
cis-1,3-Dichloropropene	140	1000	ND	
Toluene	98	1000	ND	
Tetrachloroethylene	180	1000	ND	
trans-1,3-Dichloropropene	120	1000	ND	
1,1,2-Trichloroethane	180	1000	ND	
Dibromochloromethane	110	1000	ND	
1,3-Dichloropropane	210	1000	ND	
1,2-Dibromoethane	170	1000	ND	
Ethyl Benzene	86	1000	ND	
Chlorobenzene	420	1000	ND	
1,1,1,2-Tetrachloroethane	86	1000	ND	
m,p-Xylene	190	1000	ND	
o-Xylene	66	500	ND	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	77	1000	ND	
Bromoform	190	1000	ND	
Isopropyl Benzene	120	1000	ND	
n-Propylbenzene	140	1000	ND	
Bromobenzene	120	1000	ND	
1,1,2,2-Tetrachloroethane	300	1000	ND	
1,3,5-Trimethylbenzene	110	1000	ND	
1,2,3-Trichloropropane	330	1000	ND	
4-Chlorotoluene	160	1000	ND	
2-Chlorotoluene	160	1000	ND	
tert-Butylbenzene	140	1000	ND	
1,2,4-Trimethylbenzene	110	1000	ND	
sec-Butyl Benzene	160	1000	ND	
p-Isopropyltoluene	150	1000	ND	
1,3-Dichlorobenzene	180	1000	ND	
1,4-Dichlorobenzene	150	1000	ND	
n-Butylbenzene	220	1000	ND	
1,2-Dichlorobenzene	130	1000	ND	
1,2-Dibromo-3-Chloropropane	420	1000	ND	
Hexachlorobutadiene	260	1000	ND	
1,2,4-Trichlorobenzene	210	1000	ND	
Naphthalene	280	1000	ND	
1,2,3-Trichlorobenzene	290	1000	ND	
Ethanol	500	2000	ND	TIC
(S) Dibromofluoromethane			116	
(S) Toluene-d8			112	
(S) 4-Bromofluorobenzene			111	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			82.4	
(S) Toluene-d8			75.3	
(S) 4-Bromofluorobenzene			70.6	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	69.2	75.6	8.83	50.8 - 111	30	
Pentacosane (S)			2.6	100	86.4	89.3		49.9 - 144		

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.24	50	100	101	0.698	30.7 - 130	30	
Arsenic	0.25	1.7	0.33	50	97.7	98.8	1.14	71 - 121	30	
Barium	0.07	5.0	0.59	50	107	105	1.98	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	98.2	101	3.21	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	103	102	0.682	68.7 - 110	30	
Chromium	0.050	5.0	0.15	50	104	105	1.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	106	103	2.77	57.4 - 122	30	
Copper	0.65	5.0	ND	50	110	106	3.61	74.8 - 119	30	
Lead	0.14	1.0	0.32	50	103	103	0.0970	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	104	106	1.43	62.9 - 123	30	
Nickel	0.050	5.0	0.15	50	105	103	2.12	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	98.1	99.1	1.04	62 - 111	30	
Silver	0.37	1.0	ND	50	105	102	3.09	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	98.8	100	1.51	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	108	106	2.25	65.8 - 122	30	
Zinc	0.25	5.0	0.37	50	103	101	2.26	59.9 - 122	30	

Work Order:	1409098	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	87.5	90.7	3.59	80.5 - 133	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12772
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422517
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.26	50	101	102	0.494	67.9 - 118	30	

Work Order:	1409098	**Prep Method:**	5035	**Prep Date:**	09/24/14	**Prep Batch:**	12786
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	80	1000	115	115	0.0566	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			91.3	50	121	98.1		43.9 - 127		

Work Order:	1409098	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12798
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	81.2	96.9	17.6	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			55.1	50	61.2	67.4		43.9 - 127		

Work Order:	1409098	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.6	94.4	1.29	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12854
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422676
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Cadmium (STLC)	0.0100	0.10	ND	10	92.1	92.4	0.325	80 - 120	20	
Chromium (STLC)	0.0200	0.10	ND	10	90.1	91.6	1.64	80 - 120	20	
Lead (STLC)	0.0500	0.10	ND	10	86.2	87.8	1.87	80 - 120	20	
Nickel (STLC)	0.0200	0.10	ND	10	88.1	88.9	0.893	80 - 120	20	
Zinc (STLC)	0.0200	0.10	ND	10	93.8	94.2	0.415	80 - 120	20	

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	105	118	11.4	53.7 - 139	30	
Benzene	1.5	10	ND	50	108	93.8	13.9	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	119	95.7	21.7	57.5 - 150	30	
Toluene	0.98	10	ND	50	110	91.2	18.8	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	121	95.7	23.2	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	108	109		59.8 - 148		
(S) Toluene-d8			ND	50	109	111		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	103	103		55.8 - 141		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	90.9	96.8	6.36	53.7 - 139	30	
Benzene	1.5	10	ND	50	90.8	94.6	4.12	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	85.4	88.4	3.47	57.5 - 150	30	
Toluene	0.98	10	ND	50	82.4	85.5	3.69	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	84.0	85.2	1.47	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	79.5	81.4		59.8 - 148		
(S) Toluene-d8			ND	50	76.7	77.5		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	74.5	75.2		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Spiked Sample:	1409098-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.024	50	77.0	79.4	3.03	30.7 - 130	30	
Arsenic	0.25	1.7	0.094	50	90.7	91.6	0.995	71 - 121	30	
Barium	0.07	5.0	3.0	50	111	134	5.33	70.2 - 130	30	S
Beryllium	0.0800	2.0	0.00	50	88.5	94.7	6.76	73.3 - 115	30	
Cadmium	0.055	1.0	0.00	50	95.3	96.2	0.971	68.7 - 110	30	
Chromium	0.050	5.0	0.85	50	64.5	63.8	0.803	76 - 116	30	S
Cobalt	0.055	5.0	0.16	50	88.8	88.7	0.286	57.4 - 122	30	
Copper	0.65	5.0	0.64	50	107	108	0.467	74.8 - 119	30	
Lead	0.14	1.0	1.6	50	177	142	11.1	67.9 - 118	30	S
Molybdenum	0.12	5.0	0.00	50	88.8	90.8	2.19	62.9 - 123	30	
Nickel	0.050	5.0	0.87	50	75.4	75.3	0.185	61.5 - 122	30	
Selenium	0.42	5.0	0.00	50	90.8	91.2	0.396	62 - 111	30	
Silver	0.37	1.0	0.00	50	93.2	90.2	3.25	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	70.2	69.6	0.844	39.2 - 125	30	
Vanadium	0.18	5.0	0.78	50	98.0	97.9	0.0568	65.8 - 122	30	
Zinc	0.25	5.0	1.6	50	106	98.4	2.90	59.9 - 122	30	

Work Order:	1409098	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	**Soil**	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Spiked Sample:	1409098-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	0.0006	1.25	79.0	77.4	1.95	60 - 140	30	

Work Order:	1409098	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12772
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422517
Spiked Sample:	1409098-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	1.9	50	56.5	47.4	3.96	67.9 - 118	30	S

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422541
Spiked Sample:	1409098-018A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	0	50	98.1	109	10.5	53.7 - 139	30	
Benzene	1.5	10	0	50	91.3	100	9.64	66.5 - 135	30	
Trichloroethylene	3.9	10	0	50	110	114	3.54	57.5 - 150	30	
Toluene	0.98	10	0	50	77.3	85.4	10.0	56.8 - 134	30	
Chlorobenzene	4.2	10	0	50	88.7	95.0	6.88	57.4 - 134	30	
(S) Dibromofluoromethane				50	116	115		59.8 - 148		
(S) Toluene-d8				50	104	105		55.2 - 133		
(S) 4-Bromofluorobenzene				50	98.4	97.5		55.8 - 141		

Work Order:	1409098	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12854
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422676
Spiked Sample:	1409098-001A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	1.01	10	85.4	85.3	0.161	75 - 125	20	

Duplicate QC Summary Report

Work Order:	1409098	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422504
Units:						**Lab Sample ID:**	1409098-009A-Dup

Parameters	**MDL**	**PQL**	**Sample Result**	**Duplicate Result**	**% RPD**
pH	0.100	2.00	7.66	7.65	0.131

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409098

Date and Time Received: 9/22/2014 16:44

Received By: ldi

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409098***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409098-001A	MVP8-8A-0-0.5	09/22/14 9:20	Soil	03/21/15			S_7471BHG S_6010BCAM17 S_pH9045C Percent Moisture S_TPHDOSG S_6010B(STLC)	
1409098-002A	MVP8-8A-1.0-1.5	09/22/14 9:25	Soil	03/21/15			S_6010BAs/Pb S_8260Full S_GCMS-GRO Percent Moisture S_6010B(STLC)	
Sample Note:	Samples for 6010As/Pb all for Pb only							
1409098-003A	MVP8-8A-1.5-2.0	09/22/14 9:30	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_8260Full Percent Moisture S_GCMS-GRO	
1409098-004A	MVP8-8B-0-0.5	09/22/14 9:35	Soil	03/21/15			S_6010BAs/Pb S_6010B(STLC)	
1409098-005A	MVP8-8B-1.0-1.5	09/22/14 9:40	Soil	03/21/15			S_6010BAs/Pb	
1409098-006A	MVP8-8B-1.5-2.0	09/22/14 9:45	Soil	03/21/15			S_6010BAs/Pb	
1409098-007A	MVP8-8C-0-0.5	09/22/14 9:50	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture S_6010B(STLC)	
1409098-008A	MVP8-8C-1.0-1.5	09/22/14 9:55	Soil	03/21/15			S_6010BAs/Pb S_6010B(STLC) S_TPHDOSG	

Login Summary Report

Client ID: TL5377 URS (Oakland)

Project Name: I-680

Project # :

Report Due Date: 10/6/2014

QC Level:

TAT Requested: 5+ day:0

Date Received: 9/22/2014

Time Received: 16:44

Comments:

Work Order # : ***1409098***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409098-009A	MVP8-8C-1.5-2.0	09/22/14 10:00	Soil	03/21/15			S_GCMS-GRO S_8260Full Percent Moisture S_7471BHG S_6010BCAM17 S_6010B(STLC) S_6010B(TCLP) S_pH9045C S_8260Full S_GCMS-GRO Percent Moisture	
1409098-010A	MVP9-9B-0-0.5	09/22/14 10:10	Soil	03/21/15			S_6010BAs/Pb	
1409098-011A	MVP9-9B-1.0-1.5	09/22/14 10:15	Soil	03/21/15			S_6010BAs/Pb	
1409098-012A	MVP9-9B-1.5-2.0	09/22/14 10:20	Soil	03/21/15			S_6010BAs/Pb	
1409098-013A	MVP9-9C-0-0.5	09/22/14 10:25	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture	
1409098-014A	MVP9-9C-1.0-1.5	09/22/14 10:30	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_GCMS-GRO S_8260Full Percent Moisture	
1409098-015A	MVP9-9C-1.5-2.0	09/22/14 10:35	Soil	03/21/15			S_7471BHG S_pH9045C S_6010BCAM17 S_GCMS-GRO S_8260Full Percent Moisture	
1409098-016A	MVP9-9A-0-0.5	09/22/14 10:40	Soil	03/21/15			S_7471BHG	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409098***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409098-017A	MVP9-9A-1.0-1.5	09/22/14 10:45	Soil	03/21/15			S_6010BCAM17 Percent Moisture S_TPHDOSG S_pH9045C S_6010B(STLC)	
1409098-018A	MVP9-9A-1.5-2.0	09/22/14 10:50	Soil	03/21/15			S_6010BAs/Pb Percent Moisture S_8260Full S_GCMS-GRO	
							S_6010BAs/Pb S_GCMS-GRO S_TPHDOSG S_8260Full Percent Moisture	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

lot5

LAB WORK ORDER NO 1409098

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov
Location of Sampling: I-680
Purpose:
Special Instructions / Comments: * SGC = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☐ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
001A	MVPB-8A-0.0-0.5	9/22/14 9:20	Soil	1	GJ		X		X	X	X				
002A	MVPB-8A-1.0-1.5	9/22/14 9:25	Soil	1	GJ	X		X			X				
003A	MVPB-8A-1.5-2.0	9/22/14 9:30	Soil	1	GJ	X		X	X		X				
004A	MVPB-8B-0.0-0.5	9/22/14 9:35	Soil	1	GJ	X									
005A	MVPB-8B-1.0-1.5	9/22/14 9:40	Soil	1	GJ	X									
006A	MVPB-8B-1.5-2.0	9/22/14 9:45	Soil	1	GJ	X									
007A	MVPB-8C-0.0-0.5	9/22/14 9:50	Soil	1	GJ	X			X		X				
008A	MVPB-8C-1.0-1.5	9/22/14 9:55	Soil	1	GJ	X		X	X		X				
009A	MVPB-8C-1.5-2.0	9/22/14 10:00	Soil	1	GJ		X	X		X	X			Temp 3°C	
010A 009A	MVPB-9B-0.0-0.5	9/22/14 10:10	Soil	1	GJ	X	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:06	[signature]	Lawrence Eso	9/22/14	16:06
2	[signature]	Lawrence Esobe	9/22/14	4:44	[signature]	L. D. Imbal	9-22-14	16:44

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment FC Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: Date: Log In Reviewed By: Date:

Torrent LABORATORY, INC.

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

2 of 5

LAB WORK ORDER NO: 1409098

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX: (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov
Location of Sampling: I-680
Purpose:
Special Instructions / Comments: * SGC = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: 10 Work Days, 3 Work Days, Noon - Nxt Day, 7 Work Days, 2 Work Days, 2 - 8 Hours, 5 Work Days, 1 Work Day, Other

SAMPLE TYPE: Storm Water, Air, Waste Water, Other, Ground Water, [X] Soil

REPORT FORMAT: QC Level IV, EDF, Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/Mo w/SGC*	pH	Moisture				REMARKS
011A	MVP9-9B-1.0-1.5	9/22/14 10:15	Soil	1	GJ	X									
012A	MVP9-9B-1.5-2.0	9/22/14 10:20	Soil	1	GJ	X									
013A	MVP9-9C-0.0-0.5	9/22/14 10:25	Soil	1	GJ	X			X		X				
014A	MVP9-9C-1.0-1.5	9/22/14 10:30	Soil	1	GJ	X		X	X		X				
015A	MVP9-9C-1.5-2.0	9/22/14 10:35	Soil	1	GJ		X	X		X	X				
016A	MVP9-9A-0.0-0.5	9/22/14 10:40	Soil	1	GJ		X		X	X	X				
017A	MVP9-9A-1.0-1.5	9/22/14 10:45	Soil	1	GJ	X		X			X				
018A	MVP9-9A-1.5-2.0	9/22/14 10:50	Soil	1	GJ	X		X	X		X				
—	MVP10-10A-0.0-0.5	9/22/14 11:55	Soil	1	GJ		X		X	X	X				Temp 3°C
—	MVP10-10A-1.0-1.5	9/22/14 12:00	Soil	1	GJ	X		X			X				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:00	[signature]	Lawrence Estes	9/22/14	16:00
2	[signature]	Lawrence Estes	9/22/14	4:44	[signature]	L.D. Imbert	9-22-14	16:44

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment FC Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: Date: Log In Reviewed By: Date:

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1409098 **Serial #:** CO14-0292 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Pb for samples 001, 002, 004, 007, 008, 009, 016; TCLP for sample 009; 1 day rush due 10/6/14	10/1/2014	3:00:00PM	

Page 1 of 1

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URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409099 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 18 sample(s) on September 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 06, 2014
Date

Date: 10/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409099

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method S_8015B, 1409099-001A MS/MSD, QC Analytical Batch ID 422511, Note: MS/MSD for TPH Diesel did not pass acceptance criteria. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include STLC and TCLP data for Lead on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/1/14 at 5:20 PM to 10/3/14 at 2:00 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid # 1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 10/2/14 at 3:00 PM to 10/3/14 at 9:40 AM.

Rev. 1 (10/6/14)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP10-10A-0.0-0.5 1409099-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	120	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	38	mg/Kg
Lead	SW6010B	1	0.14	1.0	200	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	24	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	95	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.3	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	41	mg/Kg
pH	SW9045C	1	0.10	2.0	5.94	S.U.
Percent Moisture	D2216	1	0.100	0.100	11.9	%
Lead (STLC)	SW6010B	1	0.0500	0.10	13	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	0.19	mg/L

MVP10-10A-1.0-1.5 1409099-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	24.0	%
Lead	SW6010B	1	0.13	1.0	68	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	1.1	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP10-10A-1.5-2.0 1409099-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	36	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	12	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	28.3	%

MVP10-10B-0.0-0.5 1409099-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	450	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	17	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	1.0	mg/L

MVP10-10B-1.0-1.5 1409099-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	38	mg/Kg

MVP10-10B-1.5-2.0 1409099-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	86	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	2.0	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP10-10C-0.0-0.5 1409099-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	29	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	15	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	17.9	%

MVP10-10C-1.0-1.5 1409099-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	31.8	%
Lead	SW6010B	1	0.13	1.0	14	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	14	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP10-10C-1.5-2.0 1409099-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	24.5	%
Arsenic	SW6010B	1	0.25	1.7	7.9	mg/Kg
Barium	SW6010B	1	0.07	5.0	190	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	14	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	30	mg/Kg
Lead	SW6010B	1	0.14	1.0	16	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	11	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	30	mg/Kg
pH	SW9045C	1	0.10	2.0	3.83	S.U.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP7-7A-0.0-0.5 1409099-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	10.4	%
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	20	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	5.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	17	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	12	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	21	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	42	mg/Kg
pH	SW9045C	1	0.10	2.0	8.12	S.U.

MVP7-7A-1.0-1.5 1409099-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.2	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	12.2	%

MVP7-7A-1.5-2.0 1409099-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	11.3	%
Lead	SW6010B	1	0.13	1.0	7.4	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP7-7B-0.0-0.5 1409099-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	42	mg/Kg

MVP7-7B-1.0-1.5 1409099-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	8.1	mg/Kg

MVP7-7B-1.5-2.0 1409099-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	8.1	mg/Kg

MVP7-7C-0.0-0.5 1409099-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	12	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	35	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	5.89	%

MVP7-7C-1.0-1.5 1409099-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	13.0	%
Lead	SW6010B	1	0.13	1.0	6.9	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP7-7C-1.5-2.0 1409099-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	12.5	%
Arsenic	SW6010B	1	0.25	1.7	7.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	13	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.7	mg/Kg
Copper	SW6010B	1	0.650	5.0	15	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.1	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	17	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	25	mg/Kg
Zinc	SW6010B	1	0.25	5.0	36	mg/Kg
pH	SW9045C	1	0.10	2.0	7.99	S.U.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-0.0-0.5	**Lab Sample ID:**	1409099-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 11:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	11.9		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	13		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	0.19		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	5.6		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	120		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	18		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	8.8		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	38		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	200		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	24		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	24		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	95		mg/Kg	422503	12764
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-0.0-0.5	**Lab Sample ID:**	1409099-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 11:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	5.94		S.U.	422504	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	2.3		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	41		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	93.8		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.0-1.5	**Lab Sample ID:**	1409099-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	24.0		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	1.1		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	68		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.0-1.5	**Lab Sample ID:**	1409099-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.0-1.5	**Lab Sample ID:**	1409099-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	117		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	83.4		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	68.9		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	48.4		%	422572	12798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.5-2.0	**Lab Sample ID:**	1409099-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	28.3		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	36		mg/Kg	422517	12772

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.5-2.0	**Lab Sample ID:**	1409099-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10A-1.5-2.0	**Lab Sample ID:**	1409099-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	113		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	80.1		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	69.0		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	52.8		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	12		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	84.1		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10B-0.0-0.5	**Lab Sample ID:**	1409099-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	17		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	1.0		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	450		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10B-1.0-1.5	**Lab Sample ID:**	1409099-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	38		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10B-1.5-2.0	**Lab Sample ID:**	1409099-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/03/14	1	0.0500	0.10	2.0		mg/L	422676	12854

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/23/14	09/24/14	1	0.13	1.0	86		mg/Kg	422517	12772

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-0.0-0.5	**Lab Sample ID:**	1409099-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	17.9		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	29		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	15		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	93.7		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.0-1.5	**Lab Sample ID:**	1409099-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	31.8		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	14		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.0-1.5	**Lab Sample ID:**	1409099-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.0-1.5	**Lab Sample ID:**	1409099-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	114		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	80.1		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	71.2		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	57.5		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	14		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	57.5		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.5-2.0	**Lab Sample ID:**	1409099-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	24.5		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	7.9		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	190		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	14		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	5.3		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	30		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	16		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	11		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	32		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	30		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.5-2.0	**Lab Sample ID:**	1409099-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.5-2.0	**Lab Sample ID:**	1409099-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	115		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.1		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	70.9		%	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP10-10C-1.5-2.0	**Lab Sample ID:**	1409099-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 12:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	56.4		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	3.83		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-0.0-0.5	**Lab Sample ID:**	1409099-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	10.4		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	5.1		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	130		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	17		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	8.1		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	18		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	12		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	21		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	32		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	42		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	8.12		S.U.	422504	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	20		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	85.2		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.0-1.5	**Lab Sample ID:**	1409099-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	12.2		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.2		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.0-1.5	**Lab Sample ID:**	1409099-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.0-1.5	**Lab Sample ID:**	1409099-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	98.1		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	78.0		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	72.7		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	61.8		%	422572	12798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.5-2.0	**Lab Sample ID:**	1409099-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/24/14	1	0.100	0.100	11.3		%	422559	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.4		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.5-2.0	**Lab Sample ID:**	1409099-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7A-1.5-2.0	**Lab Sample ID:**	1409099-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	99.5		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	78.0		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	70.3		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	59.4		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	ND		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	94.3		%	422511	12759

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7B-0.0-0.5	**Lab Sample ID:**	1409099-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:45		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	42		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7B-1.0-1.5	**Lab Sample ID:**	1409099-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	8.1		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7B-1.5-2.0	**Lab Sample ID:**	1409099-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 13:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	8.1		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-0.0-0.5	**Lab Sample ID:**	1409099-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.89		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	12		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	35		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	68.8		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.0-1.5	**Lab Sample ID:**	1409099-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	13.0		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.9		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.0-1.5	**Lab Sample ID:**	1409099-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.0-1.5	**Lab Sample ID:**	1409099-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	97.7		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	77.2		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	72.2		%	422572	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	62.2		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	ND		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	81.5		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.5-2.0	**Lab Sample ID:**	1409099-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	12.5		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	7.3		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	170		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	13		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	7.7		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	15		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	7.1		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	17		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	25		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	36		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.5-2.0	**Lab Sample ID:**	1409099-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422572	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422572	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422572	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422572	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422572	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422572	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422572	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422572	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422572	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422572	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.5-2.0	**Lab Sample ID:**	1409099-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422572	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422572	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422572	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422572	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422572	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422572	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422572	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422572	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422572	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422572	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422572	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422572	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422572	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422572	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422572	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422572	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422572	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422572	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422572	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	101		%	422572	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	77.7		%	422572	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	73.0		%	422572	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP7-7C-1.5-2.0	**Lab Sample ID:**	1409099-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:10		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422572	12798
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	62.0		%	422572	12798

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	7.99		S.U.	422504	NA

MB Summary Report

Work Order:	1409099	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.6	
Pentacosane (S)			89.3	

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	0.24	
Arsenic	0.25	1.7	0.33	
Barium	0.07	5.0	0.59	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.15	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.32	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.15	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.37	

Work Order:	1409099	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12772
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422517
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.26	

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.19	

Work Order:	1409099	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12798
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			55.1	

Work Order:	1409099	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409099	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12854
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422676
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Cadmium (STLC)	0.0100	0.10	ND	
Chromium (STLC)	0.0200	0.10	ND	
Lead (STLC)	0.0500	0.10	ND	
Nickel (STLC)	0.0200	0.10	ND	
Zinc (STLC)	0.0200	0.10	ND	

MB Summary Report

Work Order:	1409099	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409099	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			82.4	
(S) Toluene-d8			75.3	
(S) 4-Bromofluorobenzene			70.6	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409099	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	69.2	75.6	8.83	50.8 - 111	30	
Pentacosane (S)			2.6	100	86.4	89.3		49.9 - 144		

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.24	50	100	101	0.698	30.7 - 130	30	
Arsenic	0.25	1.7	0.33	50	97.7	98.8	1.14	71 - 121	30	
Barium	0.07	5.0	0.59	50	107	105	1.98	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	98.2	101	3.21	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	103	102	0.682	68.7 - 110	30	
Chromium	0.050	5.0	0.15	50	104	105	1.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	106	103	2.77	57.4 - 122	30	
Copper	0.65	5.0	ND	50	110	106	3.61	74.8 - 119	30	
Lead	0.14	1.0	0.32	50	103	103	0.0970	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	104	106	1.43	62.9 - 123	30	
Nickel	0.050	5.0	0.15	50	105	103	2.12	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	98.1	99.1	1.04	62 - 111	30	
Silver	0.37	1.0	ND	50	105	102	3.09	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	98.8	100	1.51	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	108	106	2.25	65.8 - 122	30	
Zinc	0.25	5.0	0.37	50	103	101	2.26	59.9 - 122	30	

Work Order:	1409099	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	87.5	90.7	3.59	80.5 - 133	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12772
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422517
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.26	50	101	102	0.494	67.9 - 118	30	

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.19	50	96.6	98.7	2.11	67.9 - 118	30	

Work Order:	1409099	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12798
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	81.2	96.9	17.6	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			55.1	50	61.2	67.4		43.9 - 127		

Work Order:	1409099	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.6	94.4	1.29	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409099	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12854
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422676
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Cadmium (STLC)	0.0100	0.10	ND	10	92.1	92.4	0.325	80 - 120	20	
Chromium (STLC)	0.0200	0.10	ND	10	90.1	91.6	1.64	80 - 120	20	
Lead (STLC)	0.0500	0.10	ND	10	86.2	87.8	1.87	80 - 120	20	
Nickel (STLC)	0.0200	0.10	ND	10	88.1	88.9	0.893	80 - 120	20	
Zinc (STLC)	0.0200	0.10	ND	10	93.8	94.2	0.415	80 - 120	20	

Work Order:	1409099	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	90.9	96.8	6.36	53.7 - 139	30	
Benzene	1.5	10	ND	50	90.8	94.6	4.12	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	85.4	88.4	3.47	57.5 - 150	30	
Toluene	0.98	10	ND	50	82.4	85.5	3.69	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	84.0	85.2	1.47	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	79.5	81.4		59.8 - 148		
(S) Toluene-d8			ND	50	76.7	77.5		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	74.5	75.2		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409099	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Spiked Sample:	1409099-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	92.99	25	26.1	40.3	33.4	50.8 - 111	30	S,R
Pentacosane (S)				100	84.0	110		49.9 - 144		

Work Order:	1409099	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Spiked Sample:	1409099-007A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.59	50	80.7	76.3	3.41	67.9 - 118	30	

Work Order:	1409099	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422572
Spiked Sample:	1409099-018A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	0	50	81.0	80.2	0.992	53.7 - 139	30	
Benzene	1.5	10	0	50	87.4	88.8	1.61	66.5 - 135	30	
Trichloroethylene	3.9	10	0	50	74.4	74.9	0.670	57.5 - 150	30	
Toluene	0.98	10	0	50	65.1	66.5	2.07	56.8 - 134	30	
Chlorobenzene	4.2	10	0	50	63.8	64.6	1.31	57.4 - 134	30	
(S) Dibromofluoromethane				50	105	103		59.8 - 148		
(S) Toluene-d8				50	77.6	79.0		55.2 - 133		
(S) 4-Bromofluorobenzene				50	72.7	73.4		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409099	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Spiked Sample:	1409099-001A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	0.0190	10	93.9	94.9	1.03	75 - 125	20	

Duplicate QC Summary Report

Work Order:	1409099	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422504
Units:						**Lab Sample ID:**	1409098-009A-Dup

Parameters	**MDL**	**PQL**	**Sample Result**	**Duplicate Result**	**% RPD**
pH	0.100	2.00	7.66	7.65	0.131

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409099

Date and Time Received: 9/22/2014 16:44

Received By: ldi

Physically Logged By: ng

Checklist Completed By: ng

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: na

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Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409099***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409099-001A	MVP10-10A-0.0-0.5	09/22/14 11:55	Soil	03/21/15			S_7471BHG S_6010BCAM17 S_6010B(TCLP) Percent Moisture S_pH9045C S_TPHDOSG S_6010B(STLC)	
1409099-002A	MVP10-10A-1.0-1.5	09/22/14 12:00	Soil	03/21/15			S_6010BAs/Pb S_8260Full S_GCMS-GRO Percent Moisture S_6010B(STLC)	
Sample Note:	Samples for 6010As/Pb all for Pb only							
1409099-003A	MVP10-10A-1.5-2.0	09/22/14 12:05	Soil	03/21/15			S_6010BAs/Pb S_8260Full S_TPHDOSG S_GCMS-GRO Percent Moisture	
1409099-004A	MVP10-10B-0.0-0.5	09/22/14 12:10	Soil	03/21/15			S_6010B(TCLP) S_6010BAs/Pb S_6010B(STLC)	
1409099-005A	MVP10-10B-1.0-1.5	09/22/14 12:15	Soil	03/21/15			S_6010BAs/Pb	
1409099-006A	MVP10-10B-1.5-2.0	09/22/14 12:20	Soil	03/21/15			S_6010BAs/Pb S_6010B(STLC)	
1409099-007A	MVP10-10C-0.0-0.5	09/22/14 12:25	Soil	03/21/15			S_6010BAs/Pb Percent Moisture S_TPHDOSG	
1409099-008A	MVP10-10C-1.0-1.5	09/22/14 12:30	Soil	03/21/15			S_6010BAs/Pb	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409099***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409099-009A	MVP10-10C-1.5-2.0	09/22/14 12:35	Soil	03/21/15			Percent Moisture S_8260Full S_GCMS-GRO S_TPHDOSG	
1409099-010A	MVP7-7A-0.0-0.5	09/22/14 13:30	Soil	03/21/15			S_7471BHG S_6010BCAM17 Percent Moisture S_GCMS-GRO S_8260Full S_pH9045C	
1409099-011A	MVP7-7A-1.0-1.5	09/22/14 13:35	Soil	03/21/15			S_7471BHG S_6010BCAM17 S_pH9045C S_TPHDOSG Percent Moisture	
1409099-012A	MVP7-7A-1.5-2.0	09/22/14 13:40	Soil	03/21/15			S_6010BAs/Pb S_8260Full S_GCMS-GRO Percent Moisture	
1409099-013A	MVP7-7B-0.0-0.5	09/22/14 13:45	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_GCMS-GRO S_8260Full Percent Moisture	
1409099-014A	MVP7-7B-1.0-1.5	09/22/14 13:50	Soil	03/21/15			S_6010BAs/Pb	
1409099-015A	MVP7-7B-1.5-2.0	09/22/14 13:55	Soil	03/21/15			S_6010BAs/Pb	
1409099-016A	MVP7-7C-0.0-0.5	09/22/14 14:00	Soil	03/21/15			S_6010BAs/Pb Percent Moisture	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409099***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409099-017A	MVP7-7C-1.0-1.5	09/22/14 14:05	Soil	03/21/15			S_TPHDOSG S_6010BAs/Pb S_8260Full S_TPHDOSG S_GCMS-GRO Percent Moisture	
1409099-018A	MVP7-7C-1.5-2.0	09/22/14 14:10	Soil	03/21/15			S_7471BHG S_pH9045C S_8260Full S_GCMS-GRO Percent Moisture S_6010BCAM17	

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1409099

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX: (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov

Location of Sampling: I-680
Purpose:
Special Instructions / Comments: * 66C = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☐ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/Mo w/Sil Gel*	pH	Moisture				REMARKS
	MVP9-9B-1.0-1.5	9/22/14 10:15	Soil	1	GJ	X									
	MVP9-9B-1.5-2.0	9/22/14 10:20	Soil	1	GJ	X									
	MVP9-9C-0.0-0.5	9/22/14 10:25	Soil	1	GJ	X			X		X				
	MVP9-9C-1.0-1.5	9/22/14 10:30	Soil	1	GJ	X		X	X		X				
	MVP9-9C-1.5-2.0	9/22/14 10:35	Soil	1	GJ		X	X		X	X				
	MVP9-9A-0.0-0.5	9/22/14 10:40	Soil	1	GJ		X		X	X	X				
	MVP9-9A-1.0-1.5	9/22/14 10:45	Soil	1	GJ	X		X			X				
	MVP9-9A-1.5-2.0	9/22/14 10:50	Soil	1	GJ	X		X	X		X				
001A	MVP10-10A-0.0-0.5	9/22/14 11:55	Soil	1	GJ		X		X	X	X				Temp 3°C
002A	MVP10-10A-1.0-1.5	9/22/14 12:00	Soil	1	GJ	X		X			X				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:00	[signature]	[illegible]	9/22/14	16:00
2	[signature]	[illegible]	9/22/14	4:44	[signature]	L. D. Imbat	9-22-14	16:44

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FC Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of ___

Log In By: ___ Date: ___ Log In Reviewed By: ___ Date:

REC LDL LIN NG LBL LDL LIR

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

3 of 5

LAB WORK ORDER NO: 1409099

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX: (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov

Location of Sampling: I-680
Purpose:
Special Instructions / Comments: * SGC = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☐ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
003A	MVP10-10A-1.5-2.0	9/22/14 12:05	Soil	1	GJ	X		X	X		X				
004A	MVP10-10B-0.0-0.5	9/22/14 12:10	Soil	1	GJ	X									
005A	MVP10-10B-1.0-1.5	9/22/14 12:15	Soil	1	GJ	X									
006A	MVP10-10B-1.5-2.0	9/22/14 12:20	Soil	1	GJ	X									
007A	MVP10-10C-0.0-0.5	9/22/14 12:25	Soil	1	GJ	X			X		X				
008A	MVP10-10C-1.0-1.5	9/22/14 12:30	Soil	1	GJ	X		X	X		X				
009A	MVP10-10C-1.5-2.0	9/22/14 12:35	Soil	1	GJ		X	X		X	X				
010A	MVP7-7A-0.0-0.5	9/22/14 13:30	Soil	1	GJ		X		X	X	X				
011A	MVP7-7A-1.0-1.5	9/22/14 13:35	Soil	1	GJ	X		X			X				
012A	MVP7-7A-1.5-2.0	9/22/14 13:40	Soil	1	GJ	X		X	X		X				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:00	[signature]	[illegible]	9/22/14	16:06
2	[signature]	[illegible]	9/22/14	444	[signature]	L.D. Imlsat	9-22-14	16:44

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FC Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1409099

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX: (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov
Location of Sampling: I-680
Purpose:
Special Instructions / Comments: *6&C = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: 10 Work Days, 3 Work Days, Noon - Nxt Day, 7 Work Days, 2 Work Days, 2 - 8 Hours, 5 Work Days, 1 Work Day, Other

SAMPLE TYPE: Storm Water, Air, Waste Water, Other, Ground Water, Soil

REPORT FORMAT: QC Level IV, EDF, Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/sgc*	pH	Moisture				REMARKS
013A	MVP7-7B-0.0-0.5	9/22/14 13:45	Soil	1	GJ	X									
014A	MVP7-7B-1.0-1.5	9/22/14 13:50	Soil	1	GJ	X									
015A	MVP7-7B-1.5-2.0	9/22/14 13:55	Soil	1	GJ	X									
016A	MVP7-7C-0.0-0.5	9/22/14 14:00	Soil	1	GJ	X			X		X				
017A	MVP7-7C-1.0-1.5	9/22/14 14:05	Soil	1	GJ	X		X	X		X				
018A	MVP7-7C-1.5-2.0	9/22/14 14:10	Soil	1	GJ		X	X		X	X				
	MVP6-6C-0.0-0.5	9/22/14 14:20	Soil	1	GJ		X		X	X	X				
	MVP6-6C-1.0-1.5	9/22/14 14:25	Soil	1	GJ	X		X			X				
	MVP6-6C-1.5-2.0	9/22/14 14:30	Soil	1	GJ	X		X	X		X				
	MVP6-6B-0.0-0.5	9/22/14 14:35	Soil	1	GJ	X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:06	[signature]	Lawrence Esp	9/22/14	16:06
2	[signature]	Lawrence Esp	9/22/14	4:44	[signature]	L-D Inbsal	9-22-14	16:44

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on ice? ☒ Yes ☐ NO Method of Shipment FC Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page ____ of ____

RECEIVING LBL LIR

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1409099 **Serial #:** CO14-0293 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Pb for samples 001, 002, 004, 006; TCLP for Pb for samples 001, 004; 1 day rush due 10/6/14	10/1/2014	3:00:00PM	

Page 1 of 1

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URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409100 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 11 sample(s) on September 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 06, 2014
Date

Date: 10/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409100

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

REVISIONS

Report revised to include STLC and TCLP data for Lead on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/1/14 at 6:00 PM to 10/3/14 at 3:30 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid # 1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 10/2/14 at 3:00 PM to 10/3/14 at 9:40 AM.

Rev. 1 (10/6/14)

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP6-6C-0.0-0.5 1409100-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	5.28	%
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	87	mg/Kg
Lead	SW6010B	1	0.13	1.0	220	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	1.2	mg/L

MVP6-6C-1.0-1.5 1409100-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	10.6	%
Lead	SW6010B	1	0.13	1.0	11	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	83	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP6-6C-1.5-2.0 1409100-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	14.3	%
Lead (TCLP)	SW6010B	1	0.05	0.10	0.20	mg/L
TPH(Gasoline)	8260TPH	1	30	100	120	ug/Kg
Arsenic	SW6010B	1	0.25	1.7	4.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	91	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.7	mg/Kg
Copper	SW6010B	1	0.650	5.0	27	mg/Kg
Lead	SW6010B	1	0.14	1.0	280	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	24	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	110	mg/Kg
pH	SW9045C	1	0.10	2.0	7.02	S.U.
Lead (STLC)	SW6010B	1	0.0500	0.10	13	mg/L

MVP6-6B-0.0-0.5 1409100-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	46	mg/Kg

MVP6-6B-1.0-1.5 1409100-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	280	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	11	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	0.12	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP6-6B-1.5-2.0 1409100-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	46	mg/Kg

MVP6-6A-0.0-0.5 1409100-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	5.28	%
TPH as Motor Oil (SG)	SW8015B(M)	2	2.0	21	100	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	4.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	94	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	18	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	14	mg/Kg
Lead	SW6010B	1	0.14	1.0	44	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	24	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	26	mg/Kg
Zinc	SW6010B	1	0.25	5.0	61	mg/Kg
pH	SW9045C	1	0.10	2.0	8.09	S.U.

MVP6-6A-1.0-1.5 1409100-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	7.88	%
Lead	SW6010B	1	0.13	1.0	360	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	24	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	0.56	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

MVP6-6A-1.5-2.0 1409100-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	11.0	%
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	12	mg/Kg
Lead	SW6010B	1	0.13	1.0	27	mg/Kg

FD-1 1409100-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	9.35	%
Arsenic	SW6010B	1	0.25	1.7	5.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	20	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.4	mg/Kg
Copper	SW6010B	1	0.650	5.0	15	mg/Kg
Lead	SW6010B	1	0.14	1.0	38	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	25	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	26	mg/Kg
Zinc	SW6010B	1	0.25	5.0	53	mg/Kg
pH	SW9045C	1	0.10	2.0	6.43	S.U.

Trip-Blank 1409100-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-0.0-0.5	**Lab Sample ID:**	1409100-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.28		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	1.2		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	ND		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	NA	09/23/14	1	0.13	1.0	220		mg/Kg	422503	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	1	0.66	2.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	1	1.0	10	87		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	1	49.9	144	79.1		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.0-1.5	**Lab Sample ID:**	1409100-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	10.6		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	11		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.0-1.5	**Lab Sample ID:**	1409100-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.0-1.5	**Lab Sample ID:**	1409100-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	88.8		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	77.9		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	83.5		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	86.3		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	83		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	85.8		%	422531	12774

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.5-2.0	**Lab Sample ID:**	1409100-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	14.3		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	13		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	0.20		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	4.3		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	91		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	18		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	6.7		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	27		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	280		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	24		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	24		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	110		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.5-2.0	**Lab Sample ID:**	1409100-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.5-2.0	**Lab Sample ID:**	1409100-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	93.0		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	78.6		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	85.9		%	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6C-1.5-2.0	**Lab Sample ID:**	1409100-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	120	x	ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	73.9		%	422570	12797

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	7.02		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6B-0.0-0.5	**Lab Sample ID:**	1409100-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:35		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	46		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6B-1.0-1.5	**Lab Sample ID:**	1409100-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	11		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	0.12		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	280		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6B-1.5-2.0	**Lab Sample ID:**	1409100-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:25		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	46		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-0.0-0.5	**Lab Sample ID:**	1409100-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.28		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	4.1		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	94		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	18		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	6.5		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	14		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	44		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	24		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	26		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	61		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	8.09		S.U.	422560	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/23/14	2	1.3	4.0	ND		mg/Kg	422511	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/23/14	2	2.0	21	100		mg/Kg	422511	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/23/14	2	49.9	144	86.5		%	422511	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.0-1.5	**Lab Sample ID:**	1409100-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	7.88		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	24		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	0.56		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	360		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.0-1.5	**Lab Sample ID:**	1409100-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.0-1.5	**Lab Sample ID:**	1409100-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 14:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	98.8		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	80.6		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	91.6		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	59.0		%	422570	12797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.5-2.0	**Lab Sample ID:**	1409100-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 15:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	11.0		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	NA	09/23/14	1	0.13	1.0	27		mg/Kg	422503	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.5-2.0	**Lab Sample ID:**	1409100-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 15:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	MVP6-6A-1.5-2.0	**Lab Sample ID:**	1409100-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 / 15:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	100		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.8		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.7		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	64.1		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	12		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	53.0		%	422531	12774

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	FD-1	**Lab Sample ID:**	1409100-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.35		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/23/14	09/24/14	1	0.0550	1.0	ND		mg/Kg	422519	12764
Antimony	SW6010B	9/23/14	09/23/14	1	0.20	5.0	ND		mg/Kg	422503	12764
Arsenic	SW6010B	9/23/14	09/23/14	1	0.25	1.7	5.6		mg/Kg	422503	12764
Barium	SW6010B	9/23/14	09/23/14	1	0.07	5.0	100		mg/Kg	422503	12764
Beryllium	SW6010B	9/23/14	09/23/14	1	0.0800	2.0	ND		mg/Kg	422503	12764
Chromium	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	20		mg/Kg	422503	12764
Cobalt	SW6010B	9/23/14	09/23/14	1	0.055	5.0	7.4		mg/Kg	422503	12764
Copper	SW6010B	9/23/14	09/23/14	1	0.650	5.0	15		mg/Kg	422503	12764
Lead	SW6010B	9/23/14	09/23/14	1	0.14	1.0	38		mg/Kg	422503	12764
Molybdenum	SW6010B	9/23/14	09/23/14	1	0.120	5.0	ND		mg/Kg	422503	12764
Nickel	SW6010B	9/23/14	09/23/14	1	0.0500	5.0	25		mg/Kg	422503	12764
Selenium	SW6010B	9/23/14	09/23/14	1	0.42	5.0	ND		mg/Kg	422503	12764
Silver	SW6010B	9/23/14	09/23/14	1	0.37	1.0	ND		mg/Kg	422503	12764
Thallium	SW6010B	9/23/14	09/23/14	1	0.49	7.5	ND		mg/Kg	422503	12764
Vanadium	SW6010B	9/23/14	09/23/14	1	0.18	5.0	26		mg/Kg	422503	12764
Zinc	SW6010B	9/23/14	09/23/14	1	0.25	5.0	53		mg/Kg	422503	12764

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/23/14	09/24/14	1	0.2	0.50	ND		mg/Kg	422506	12765

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	FD-1	**Lab Sample ID:**	1409100-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	FD-1	**Lab Sample ID:**	1409100-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	98.8		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.9		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.4		%	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	FD-1	**Lab Sample ID:**	1409100-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/22/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	57.6		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/23/14	1	0.10	2.0	6.43		S.U.	422504	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	Trip-Blank	**Lab Sample ID:**	1409100-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	/		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
Chloromethane	SW8260B	NA	09/24/14	1	0.16	0.50	ND		ug/L	422528	NA
Vinyl Chloride	SW8260B	NA	09/24/14	1	0.16	0.50	ND		ug/L	422528	NA
Bromomethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
Trichlorofluoromethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
1,1-Dichloroethene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Freon 113	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
Methylene Chloride	SW8260B	NA	09/24/14	1	0.23	5.0	ND		ug/L	422528	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
MTBE	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
tert-Butanol	SW8260B	NA	09/24/14	1	1.5	5.0	ND		ug/L	422528	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
1,1-Dichloroethane	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
ETBE	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
2,2-Dichloropropane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Bromochloromethane	SW8260B	NA	09/24/14	1	0.20	0.50	ND		ug/L	422528	NA
Chloroform	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
Carbon Tetrachloride	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,1-Trichloroethane	SW8260B	NA	09/24/14	1	0.097	0.50	ND		ug/L	422528	NA
1,1-Dichloropropene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Benzene	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
TAME	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
1,2-Dichloroethane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Trichloroethylene	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
Dibromomethane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,2-Dichloropropane	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
Bromodichloromethane	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
Toluene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Tetrachloroethylene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	0.23	0.50	ND		ug/L	422528	NA
1,1,2-Trichloroethane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Dibromochloromethane	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
1,3-Dichloropropane	SW8260B	NA	09/24/14	1	0.10	0.50	ND		ug/L	422528	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	Trip-Blank	**Lab Sample ID:**	1409100-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	/		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
Chlorobenzene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Ethyl Benzene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
m,p-Xylene	SW8260B	NA	09/24/14	1	0.13	1.0	ND		ug/L	422528	NA
o-Xylene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Styrene	SW8260B	NA	09/24/14	1	0.21	0.50	ND		ug/L	422528	NA
Bromoform	SW8260B	NA	09/24/14	1	0.21	1.0	ND		ug/L	422528	NA
Isopropyl Benzene	SW8260B	NA	09/24/14	1	0.097	0.50	ND		ug/L	422528	NA
Bromobenzene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.11	0.50	ND		ug/L	422528	NA
n-Propylbenzene	SW8260B	NA	09/24/14	1	0.078	0.50	ND		ug/L	422528	NA
2-Chlorotoluene	SW8260B	NA	09/24/14	1	0.076	0.50	ND		ug/L	422528	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/24/14	1	0.074	0.50	ND		ug/L	422528	NA
4-Chlorotoluene	SW8260B	NA	09/24/14	1	0.088	0.50	ND		ug/L	422528	NA
tert-Butylbenzene	SW8260B	NA	09/24/14	1	0.081	0.50	ND		ug/L	422528	NA
1,2,3-Trichloropropane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/24/14	1	0.083	0.50	ND		ug/L	422528	NA
sec-Butyl Benzene	SW8260B	NA	09/24/14	1	0.092	0.50	ND		ug/L	422528	NA
p-Isopropyltoluene	SW8260B	NA	09/24/14	1	0.093	0.50	ND		ug/L	422528	NA
1,3-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.10	0.50	ND		ug/L	422528	NA
1,4-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.069	0.50	ND		ug/L	422528	NA
n-Butylbenzene	SW8260B	NA	09/24/14	1	0.081	0.50	ND		ug/L	422528	NA
1,2-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.057	0.50	ND		ug/L	422528	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Hexachlorobutadiene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/24/14	1	0.12	0.50	ND		ug/L	422528	NA
Naphthalene	SW8260B	NA	09/24/14	1	0.14	1.0	ND		ug/L	422528	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/24/14	1	0.23	0.50	ND		ug/L	422528	NA
(S) Dibromofluoromethane	SW8260B	NA	09/24/14	1	61.2	131	98.6		%	422528	NA
(S) Toluene-d8	SW8260B	NA	09/24/14	1	75.1	127	91.1		%	422528	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/24/14	1	64.1	120	84.9		%	422528	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/22/14
Date Reported: 10/06/14

Client Sample ID:	Trip-Blank	**Lab Sample ID:**	1409100-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	/		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	9/24/14	09/24/14	1	31	50	ND		ug/L	422528	12781
(S) 4-Bromofluorobenzene	8260TPH	9/24/14	09/24/14	1	41.5	125	89.2		%	422528	12781

MB Summary Report

Work Order:	1409100	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.6	
Pentacosane (S)			89.3	

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	0.24	
Arsenic	0.25	1.7	0.33	
Barium	0.07	5.0	0.59	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.15	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.32	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.15	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.37	

Work Order:	1409100	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

MB Summary Report

Work Order:	1409100	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.3	
Pentacosane (S)			80.4	

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.19	

Work Order:	1409100	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1409100	**Prep Method:**	5030	**Prep Date:**	09/24/14	**Prep Batch:**	12781
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	ND	
(S) 4-Bromofluorobenzene			94.5	

MB Summary Report

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.60	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.17	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.50	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.18	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	0.19	
Zinc	0.25	5.0	0.31	

Work Order:	1409100	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12797
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			86.1	

Work Order:	1409100	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409100	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.18	0.50	ND	
Chloromethane	0.16	0.50	ND	
Vinyl Chloride	0.16	0.50	ND	
Bromomethane	0.18	0.50	ND	
Trichlorofluoromethane	0.18	0.50	ND	
1,1-Dichloroethene	0.15	0.50	ND	
Freon 113	0.19	0.50	ND	
Methylene Chloride	0.23	5.0	ND	
trans-1,2-Dichloroethene	0.19	0.50	ND	
MTBE	0.17	0.50	ND	
tert-Butanol	1.5	5.0	4.0	
Diisopropyl ether (DIPE)	0.13	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.17	0.50	ND	
cis-1,2-Dichloroethene	0.19	0.50	ND	
2,2-Dichloropropane	0.15	0.50	ND	
Bromochloromethane	0.20	0.50	ND	
Chloroform	0.13	0.50	ND	
Carbon Tetrachloride	0.15	0.50	ND	
1,1,1-Trichloroethane	0.097	0.50	ND	
1,1-Dichloropropene	0.15	0.50	ND	
Benzene	0.13	0.50	ND	
TAME	0.17	0.50	ND	
1,2-Dichloroethane	0.14	0.50	ND	
Trichloroethylene	0.13	0.50	ND	
Dibromomethane	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.13	0.50	ND	
cis-1,3-Dichloropropene	0.096	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.14	0.50	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
1,1,2-Trichloroethane	0.14	0.50	ND	
Dibromochloromethane	0.096	0.50	ND	
1,3-Dichloropropane	0.10	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.096	0.50	ND	
m,p-Xylene	0.13	1.0	ND	
o-Xylene	0.15	0.50	ND	

MB Summary Report

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.21	0.50	ND	
Bromoform	0.21	1.0	ND	
Isopropyl Benzene	0.097	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.11	0.50	ND	
n-Propylbenzene	0.078	0.50	ND	
2-Chlorotoluene	0.076	0.50	ND	
1,3,5,-Trimethylbenzene	0.074	0.50	ND	
4-Chlorotoluene	0.088	0.50	ND	
tert-Butylbenzene	0.081	0.50	ND	
1,2,3-Trichloropropane	0.14	0.50	ND	
1,2,4-Trimethylbenzene	0.083	0.50	ND	
sec-Butyl Benzene	0.092	0.50	ND	
p-Isopropyltoluene	0.093	0.50	ND	
1,3-Dichlorobenzene	0.10	0.50	0.10	
1,4-Dichlorobenzene	0.069	0.50	0.12	
n-Butylbenzene	0.081	0.50	0.090	
1,2-Dichlorobenzene	0.057	0.50	0.10	
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND	
Hexachlorobutadiene	0.19	0.50	0.25	
1,2,4-Trichlorobenzene	0.12	0.50	0.28	
Naphthalene	0.14	1.0	0.28	
1,2,3-Trichlorobenzene	0.23	0.50	0.33	
(S) Dibromofluoromethane			95.4	
(S) Toluene-d8			86.9	
(S) 4-Bromofluorobenzene			86.9	
Ethanol	0.21	0.50	ND	TIC

MB Summary Report

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	1.4	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			84.8	
(S) Toluene-d8			79.0	
(S) 4-Bromofluorobenzene			81.1	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409100	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	69.2	75.6	8.83	50.8 - 111	30	
Pentacosane (S)			2.6	100	86.4	89.3		49.9 - 144		

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/23/14	**Prep Batch:**	12764
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422503
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.24	50	100	101	0.698	30.7 - 130	30	
Arsenic	0.25	1.7	0.33	50	97.7	98.8	1.14	71 - 121	30	
Barium	0.07	5.0	0.59	50	107	105	1.98	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	98.2	101	3.21	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	103	102	0.682	68.7 - 110	30	
Chromium	0.050	5.0	0.15	50	104	105	1.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	106	103	2.77	57.4 - 122	30	
Copper	0.65	5.0	ND	50	110	106	3.61	74.8 - 119	30	
Lead	0.14	1.0	0.32	50	103	103	0.0970	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	104	106	1.43	62.9 - 123	30	
Nickel	0.050	5.0	0.15	50	105	103	2.12	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	98.1	99.1	1.04	62 - 111	30	
Silver	0.37	1.0	ND	50	105	102	3.09	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	98.8	100	1.51	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	108	106	2.25	65.8 - 122	30	
Zinc	0.25	5.0	0.37	50	103	101	2.26	59.9 - 122	30	

Work Order:	1409100	**Prep Method:**	7471	**Prep Date:**	09/23/14	**Prep Batch:**	12765
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422506
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	87.5	90.7	3.59	80.5 - 133	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409100	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	68.3	64.5	5.75	50.8 - 111	30	
Pentacosane (S)			2.3	100	92.5	75.8		49.9 - 144		

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.19	50	96.6	98.7	2.11	67.9 - 118	30	

Work Order:	1409100	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	104	107	3.28	80.5 - 133	30	

Work Order:	1409100	**Prep Method:**	5030	**Prep Date:**	09/24/14	**Prep Batch:**	12781
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	ND	238.1	91.6	88.7	3.21	52.4 - 127	30	
(S) 4-Bromofluorobenzene			94.5	11.9	94.5	93.0		41.5 - 125		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409100	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.5	97.1	1.61	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	93.4	94.8	1.46	71 - 121	30	
Barium	0.07	5.0	0.60	50	101	102	1.28	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.4	104	4.64	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	98.3	99.7	1.42	68.7 - 110	30	
Chromium	0.050	5.0	0.17	50	97.5	99.6	2.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.4	99.9	0.542	57.4 - 122	30	
Copper	0.65	5.0	ND	50	100	102	2.37	74.8 - 119	30	
Lead	0.14	1.0	0.50	50	95.8	97.4	1.66	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.4	99.8	2.40	62.9 - 123	30	
Nickel	0.050	5.0	0.18	50	97.9	99.5	1.65	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	90.9	92.8	2.08	62 - 111	30	
Silver	0.37	1.0	ND	50	95.6	97.6	2.06	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.6	96.5	1.97	39.2 - 125	30	
Vanadium	0.18	5.0	0.19	50	100	103	2.76	65.8 - 122	30	
Zinc	0.25	5.0	0.31	50	96.8	98.0	1.25	59.9 - 122	30	

Work Order:	1409100	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12797
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	113	97.7	15.0	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			86.1	50	93.2	85.5		43.9 - 127		

Work Order:	1409100	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.6	94.4	1.29	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409100	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	10	85.4	86.2	0.932	80 - 120	20	

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	80.5	81.4	0.899	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	85.3	85.9	0.982	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	85.6	87.4	2.01	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	83.7	86.1	3.17	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	85.1	86.6	1.76	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.9	89.6	88.6		61.2 - 131		
(S) Toluene-d8			ND	11.9	87.5	89.2		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.9	80.8	84.3		64.1 - 120		

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	87.7	84.0	4.23	53.7 - 139	30	
Benzene	1.5	10	ND	50	84.3	83.3	1.28	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	82.3	79.9	2.81	57.5 - 150	30	
Toluene	0.98	10	ND	50	78.9	78.5	0.602	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	81.0	80.9	0.114	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	85.9	84.0		59.8 - 148		
(S) Toluene-d8			ND	50	78.3	79.6		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	78.3	79.2		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409100	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Spiked Sample:	1409100-001A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	0.000	10	97.9	98.0	0.0919	75 - 125	20	

Duplicate QC Summary Report

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422504
Units:						**Lab Sample ID:**	1409098-009A-Dup

Parameters	MDL	PQL	Sample Result	Duplicate Result	% RPD
pH	0.100	2.00	7.66	7.65	0.131

Work Order:	1409100	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422560
Units:						**Lab Sample ID:**	1409108-010A-Dup

Parameters	MDL	PQL	Sample Result	Duplicate Result	% RPD
pH	0.100	2.00	6.26	6.33	1.11

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409100

Date and Time Received: 9/22/2014 16:44

Received By: LDI

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409100***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409100-001A	MVP6-6C-0.0-0.5	09/22/14 14:20	Soil	03/21/15			S_6010B(STLC) S_6010BAs/Pb S_6010B(TCLP) S_TPHDOSG Percent Moisture	
1409100-002A	MVP6-6C-1.0-1.5	09/22/14 14:25	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_8260Full Percent Moisture S_GCMS-GRO	
Sample Note:	Samples for 6010As/Pb all for Pb only							
1409100-003A	MVP6-6C-1.5-2.0	09/22/14 14:30	Soil	03/21/15			S_7471BHG S_GCMS-GRO S_8260Full S_pH9045C Percent Moisture S_6010B(STLC) S_6010B(TCLP) S_6010BCAM17	
1409100-004A	MVP6-6B-0.0-0.5	09/22/14 14:35	Soil	03/21/15			S_6010BAs/Pb	
1409100-005A	MVP6-6B-1.0-1.5	09/22/14 14:40	Soil	03/21/15			S_6010B(STLC) S_6010B(TCLP) S_6010BAs/Pb	
1409100-006A	MVP6-6B-1.5-2.0	09/22/14 14:25	Soil	03/21/15			S_6010BAs/Pb	
1409100-007A	MVP6-6A-0.0-0.5	09/22/14 14:50	Soil	03/21/15			S_7471BHG Percent Moisture S_TPHDOSG S_pH9045C S_6010BCAM17	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/22/2014
Report Due Date:	10/6/2014		**Time Received:**	16:44

Comments:

Work Order # : ***1409100***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409100-008A	MVP6-6A-1.0-1.5	09/22/14 14:55	Soil	03/21/15			S_6010B(STLC) Percent Moisture S_6010BAs/Pb S_8260Full S_GCMS-GRO S_6010B(TCLP)	
1409100-009A	MVP6-6A-1.5-2.0	09/22/14 15:00	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture S_8260Full S_GCMS-GRO	
1409100-010A	FD-1	09/22/14	Soil	03/21/15			S_7471BHG S_8260Full S_GCMS-GRO S_6010BCAM17 S_pH9045C Percent Moisture	
1409100-011A	Trip-Blank		Water	03/21/15			W_8260Full W_GCMS-GRO	

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

4 of 5

LAB WORK ORDER NO: 1409100

Company Name: URS Corporation	Location of Sampling: I-680
Address: 1333 Broadway, Suite 800	Purpose:
City: Oakland State: CA Zip Code: 94612	Special Instructions / Comments: *66C = Silica Gel Cleanup
Telephone: (510) 874-3201 FAX: (510) 874-3268	
REPORT TO: Joe Morgan SAMPLER: Erik Skov	P.O. #: EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: 10 Work Days, 3 Work Days, Noon - Nxt Day, 7 Work Days, 2 Work Days, 2 - 8 Hours, 5 Work Days, 1 Work Day, Other

SAMPLE TYPE: Storm Water, Air, Waste Water, Other, Ground Water, Soil

REPORT FORMAT: QC Level IV, EDF, Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
	MVP7-7B-0.0-0.5	9/22/14 13:45	Soil	1	GJ	X									
	MVP7-7B-1.0-1.5	9/22/14 13:50	Soil	1	GJ	X									
	MVP7-7B-1.5-2.0	9/22/14 13:55	Soil	1	GJ	X									
	MVP7-7C-0.0-0.5	9/22/14 14:00	Soil	1	GJ	X			X		X				
	MVP7-7C-1.0-1.5	9/22/14 14:05	Soil	1	GJ	X		X	X		X				
	MVP7-7C-1.5-2.0	9/22/14 14:10	Soil	1	GJ		X	X		X	X				
001A	MVP6-6C-0.0-0.5	9/22/14 14:20	Soil	1	GJ	X	X HE		X	X HE	X				
002A	MVP6-6C-1.0-1.5	9/22/14 14:25	Soil	1	GJ	X		X	X		X				
003A	MVP6-6C-1.5-2.0	9/22/14 14:30	Soil	1	GJ	X HE	X	X	X HE	X	X				
004A	MVP6-6B-0.0-0.5	9/22/14 14:35	Soil	1	GJ	X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:06	[signature]	Lawrence Esp	9/22/14	16:06
2	[signature]	Lawrence Esp	9/22/14	4:44	[signature]	L-D Inman	9-22-14	16:44

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment FC Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page ____ of ____

Log In By: Date: Log In Reviewed By: Date:

Torrent LABORATORY, INC.

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RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

5 of 5

LAB WORK ORDER NO: 1409100

Company Name: URS Corporation
Address: 1333 Broadway, Suite 800
City: Oakland State: CA Zip Code: 94612
Telephone: (510) 874-3201 FAX: (510) 874-3268
REPORT TO: Joe Morgan SAMPLER: Erik Skov

Location of Sampling: I-680
Purpose:
Special Instructions / Comments: *SGC = Silica Gel Cleanup
P.O. #:
EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☐ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
005A	MVP6-6B-1.0-1.5	9/22/14 14:40	Soil	1	GJ	X									
006A	MVP6-6B-1.5-2.0	9/22/14 14:45	Soil	1	GJ	X									
007A	MVP6-6A-0.0-0.5	9/22/14 14:50	Soil	1	GJ	X LE	X		X	X	X				
008A	MVP6-6A-1.0-1.5	9/22/14 14:55	Soil	1	GJ	X		X	X LE		X				
009A	MVP6-6A-1.5-2.0	9/22/14 15:00	Soil	1	GJ	X	X LE	X	X	X LE	X				
010A	FD-1	9/22/14	Soil	1	GJ		X	X		X	X				
011A	Trip Blanks		Water	2	40ml VOA			X							

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/22/14	16:06	[signature]	[illegible]	9/22/14	16:06
2	[signature]	[illegible]	9/22/14	4:40	[signature]	L. D. Imlay	9-22-14	16:40

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment FE Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page ____ of ____

Log In By: Date: Log In Reviewed By: Date:

Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

RE: I-680 (1409098-100)

1 message

Mariano, Dominic <dominic.mariano@urs.com> Wed, Sep 24, 2014 at 1:32 PM
To: "Torrent Laboratory, Inc." <pm@torrentlaboratory.com>

Hello,

I found some errors in the login summaries we received yesterday for the I-680 samples we collected and submitted. The field technician made a transcription error when filling out the COC, so please make the following correction.

Samples 6A and 6C listed the wrong constituents. The table below contains the correct tests.

MVP	Sample	Depth	Pb	Cam 17 Metals	TPH-G and VOCs	TPH-d/TPH-mo (w/silca gel cleanup)	pH	Moisture
		Method	EPA 6010	EPA 6010	EPA 8260	EPA 8015	SM 4500	ASTM D2216
6	6A	0.0 - 0.5		X		X	X	X
		1.0- 1.5	X		X			X
		1.5 - 2.0	X		X	X		X
	6B	0.0 - 0.5	X					
		1.0- 1.5	X					
		1.5 - 2.0	X					
	6C	0.0 - 0.5	X			X		X
		1.0- 1.5	X		X	X		X
		1.5 - 2.0		X	X		X	X

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Change Order

Work Order: 1409100 **Serial #:** CO14-0294 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC & TCLP for Pb for samples 001, 003, 005, 008; 1 day rush due 10/6/14	10/1/2014	3:00:00PM	

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URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409106 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 18 sample(s) on September 23, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 07, 2014
Date

Date: 10/7/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409106

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

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Analytical Comments for method S_6010B, 1409106-005A MS/MSD, QC Analytical Batch ID 422522, Note:MS/MS for Lead did not pass acceptance criteria. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Analytical Comments for method S_6010B, 1409106-001 MS/MSD, QC Analytical Batch ID 422529, Note:The % recoveries for Barium are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Analytical Comments for method S_TPHDOSG, 1409106-007A MS/MSD, QC Analytical Batch ID 422531, Note:MS/MS did not pass acceptance criteria. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include STLC Lead data on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/5/14 at 12:15PM to 10/7/14 at 8:50AM.

Rev. 1 (10/7/14)

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP5-5A-0-0.5 1409106-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	7.72	%
Arsenic	SW6010B	1	0.25	1.7	5.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.6	mg/Kg
Copper	SW6010B	1	0.650	5.0	19	mg/Kg
Lead	SW6010B	1	0.14	1.0	29	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	33	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	49	mg/Kg
pH	SW9045C	1	0.10	2.0	7.24	S.U.
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.8	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	37	mg/Kg

MVP5-5A-1.0-1.5 1409106-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	15.5	%
Lead	SW6010B	1	0.13	1.0	21	mg/Kg

MVP5-5A-1.5-2.0 1409106-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	17.0	%
Lead	SW6010B	1	0.13	1.0	6.5	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP5-5B-0.0-0.5 1409106-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	57	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	1.9	mg/L

MVP5-5B-1.0-1.5 1409106-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	34	mg/Kg

MVP5-5B-1.5-2.0 1409106-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.4	mg/Kg

MVP5-5C-0.0-0.5 1409106-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	21	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.68	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.5	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	98	mg/Kg

MVP5-5C-1.0-1.5 1409106-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.8	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	13.0	%

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP5-5C-1.5-2.0 1409106-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	14	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.9	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	34	mg/Kg
Zinc	SW6010B	1	0.25	5.0	37	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	12.6	%
pH	SW9045C	1	0.10	2.0	6.78	S.U.

MVP4-4C-0.0-0.5 1409106-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	5.56	%
Lead	SW6010B	1	0.13	1.0	12	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.5	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	52	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP4-4C-1.0-1.5 1409106-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	8.62	%
Lead	SW6010B	1	0.13	1.0	9.0	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.3	mg/Kg

MVP4-4C-1.5-2.0 1409106-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.8	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	27	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	11	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.8	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	29	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	31	mg/Kg
Zinc	SW6010B	1	0.25	5.0	26	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.88	%
pH	SW9045C	1	0.10	2.0	7.39	S.U.

MVP4-4B-0.0-0.5 1409106-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	16	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP4-4B-1.0-1.5 1409106-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.0	mg/Kg

MVP4-4B-1.5-2.0 1409106-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	10	mg/Kg

MVP4-4A-0.0-0.5 1409106-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	120	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.6	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	40	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	28	mg/Kg
Zinc	SW6010B	1	0.25	5.0	39	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	1.75	%
pH	SW9045C	1	0.10	2.0	5.82	S.U.
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.2	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	28	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

MVP4-4A-1.0-1.5 1409106-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	8.35	%
Lead	SW6010B	1	0.13	1.0	7.5	mg/Kg

MVP4-4A-1.5-2.0 1409106-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Percent Moisture	D2216	1	0.100	0.100	9.56	%
Lead	SW6010B	1	0.13	1.0	6.1	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-0-0.5	**Lab Sample ID:**	1409106-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	7.72		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	5.4		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	130		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	28		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	7.6		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	19		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	29		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	33		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	29		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	49		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	7.24		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-0-0.5	**Lab Sample ID:**	1409106-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/24/14	1	0.66	2.0	3.8	x	mg/Kg	422531	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/24/14	1	1.0	10	37		mg/Kg	422531	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/24/14	1	49.9	144	50.2		%	422531	12759

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.0-1.5	**Lab Sample ID:**	1409106-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	15.5		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	21		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.0-1.5	**Lab Sample ID:**	1409106-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.0-1.5	**Lab Sample ID:**	1409106-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	99.3		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	81.4		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.2		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	61.4		%	422570	12797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.5-2.0	**Lab Sample ID:**	1409106-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	17.0		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.5		mg/Kg	422521	12776

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.5-2.0	**Lab Sample ID:**	1409106-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5A-1.5-2.0	**Lab Sample ID:**	1409106-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 9:55		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	100		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	81.3		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	86.8		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	56.9		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/23/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12759
TPH as Motor Oil (SG)	SW8015B(M)	9/23/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12759
Pentacosane (S)	SW8015B(M)	9/23/14	09/24/14	1	49.9	144	59.8		%	422531	12759

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5B-0.0-0.5	**Lab Sample ID:**	1409106-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/7/14	10/07/14	1	0.0500	0.10	1.9		mg/L	422694	12863

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	57		mg/Kg	422521	12776

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5B-1.0-1.5	**Lab Sample ID:**	1409106-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:03		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	34		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5B-1.5-2.0	**Lab Sample ID:**	1409106-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.4		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-0.0-0.5	**Lab Sample ID:**	1409106-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:08		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.68		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	21		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	3.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	98		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	56.4		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.0-1.5	**Lab Sample ID:**	1409106-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:12		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	13.0		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.8		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.0-1.5	**Lab Sample ID:**	1409106-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:12		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.0-1.5	**Lab Sample ID:**	1409106-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:12		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	97.0		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	84.0		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.1		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	56.0		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	56.3		%	422531	12774

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.5-2.0	**Lab Sample ID:**	1409106-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	12.6		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.6		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	170		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	35		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	13		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	14		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	8.9		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	39		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	34		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	37		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.5-2.0	**Lab Sample ID:**	1409106-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.5-2.0	**Lab Sample ID:**	1409106-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	99.0		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	78.5		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.6		%	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP5-5C-1.5-2.0	**Lab Sample ID:**	1409106-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	64.7		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.78		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-0.0-0.5	**Lab Sample ID:**	1409106-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:37		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.56		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	12		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	3.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	52		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	82.3		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.0-1.5	**Lab Sample ID:**	1409106-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.62		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	9.0		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.0-1.5	**Lab Sample ID:**	1409106-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.0-1.5	**Lab Sample ID:**	1409106-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	101		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	75.7		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.1		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	71.0		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	2.3	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	71.5		%	422531	12774

NOTE: x- Diesel result due to unknown organics within quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.5-2.0	**Lab Sample ID:**	1409106-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.88		%	422567	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.8		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	160		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	27		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	11		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	11		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	6.8		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	29		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	31		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	26		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.5-2.0	**Lab Sample ID:**	1409106-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.5-2.0	**Lab Sample ID:**	1409106-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	98.9		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	76.3		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	81.8		%	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4C-1.5-2.0	**Lab Sample ID:**	1409106-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:44		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	68.7		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	7.39		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4B-0.0-0.5	**Lab Sample ID:**	1409106-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:47		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	16		mg/Kg	422522	12777

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4B-1.0-1.5	**Lab Sample ID:**	1409106-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.0		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4B-1.5-2.0	**Lab Sample ID:**	1409106-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:54		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	10		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-0.0-0.5	**Lab Sample ID:**	1409106-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:57		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	1.75		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.3		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	120		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	28		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	7.6		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	18		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	8.7		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	40		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	28		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	39		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	5.82		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-0.0-0.5	**Lab Sample ID:**	1409106-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 10:57		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	3.2	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	28		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	80.9		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.0-1.5	**Lab Sample ID:**	1409106-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.35		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.5		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.0-1.5	**Lab Sample ID:**	1409106-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.0-1.5	**Lab Sample ID:**	1409106-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:00		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	100		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	76.7		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	87.4		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	69.8		%	422570	12797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.5-2.0	**Lab Sample ID:**	1409106-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:04		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.56		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.1		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/26/14	1	4.4	10	ND		ug/Kg	422570	NA
Chloromethane	SW8260B	NA	09/26/14	1	4.6	10	ND		ug/Kg	422570	NA
Vinyl Chloride	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
Bromomethane	SW8260B	NA	09/26/14	1	4.7	10	ND		ug/Kg	422570	NA
Trichlorofluoromethane	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
1,1-Dichloroethene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
Freon 113	SW8260B	NA	09/26/14	1	3.7	10	ND		ug/Kg	422570	NA
Methylene Chloride	SW8260B	NA	09/26/14	1	2.0	50	ND		ug/Kg	422570	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
MTBE	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
tert-Butanol	SW8260B	NA	09/26/14	1	21	50	ND		ug/Kg	422570	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,1-Dichloroethane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
ETBE	SW8260B	NA	09/26/14	1	2.4	10	ND		ug/Kg	422570	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
2,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Bromochloromethane	SW8260B	NA	09/26/14	1	2.3	10	ND		ug/Kg	422570	NA
Chloroform	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
Carbon Tetrachloride	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
1,1,1-Trichloroethane	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Benzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
TAME	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dichloroethane	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Trichloroethylene	SW8260B	NA	09/26/14	1	3.9	10	ND		ug/Kg	422570	NA
Dibromomethane	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichloropropane	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.5-2.0	**Lab Sample ID:**	1409106-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:04		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Toluene	SW8260B	NA	09/26/14	1	0.98	10	ND		ug/Kg	422570	NA
Tetrachloroethylene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2-Trichloroethane	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
Dibromochloromethane	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,3-Dichloropropane	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
1,2-Dibromoethane	SW8260B	NA	09/26/14	1	1.7	10	ND		ug/Kg	422570	NA
Ethyl Benzene	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
Chlorobenzene	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	0.86	10	ND		ug/Kg	422570	NA
m,p-Xylene	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
o-Xylene	SW8260B	NA	09/26/14	1	0.66	5.0	ND		ug/Kg	422570	NA
Styrene	SW8260B	NA	09/26/14	1	0.77	10	ND		ug/Kg	422570	NA
Bromoform	SW8260B	NA	09/26/14	1	1.9	10	ND		ug/Kg	422570	NA
Isopropyl Benzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
n-Propylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
Bromobenzene	SW8260B	NA	09/26/14	1	1.2	10	ND		ug/Kg	422570	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/26/14	1	3.0	10	ND		ug/Kg	422570	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
1,2,3-Trichloropropane	SW8260B	NA	09/26/14	1	3.3	10	ND		ug/Kg	422570	NA
4-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
2-Chlorotoluene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
tert-Butylbenzene	SW8260B	NA	09/26/14	1	1.4	10	ND		ug/Kg	422570	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/26/14	1	1.1	10	ND		ug/Kg	422570	NA
sec-Butyl Benzene	SW8260B	NA	09/26/14	1	1.6	10	ND		ug/Kg	422570	NA
p-Isopropyltoluene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
1,3-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.8	10	ND		ug/Kg	422570	NA
1,4-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.5	10	ND		ug/Kg	422570	NA
n-Butylbenzene	SW8260B	NA	09/26/14	1	2.2	10	ND		ug/Kg	422570	NA
1,2-Dichlorobenzene	SW8260B	NA	09/26/14	1	1.3	10	ND		ug/Kg	422570	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/26/14	1	4.2	10	ND		ug/Kg	422570	NA
Hexachlorobutadiene	SW8260B	NA	09/26/14	1	2.6	10	ND		ug/Kg	422570	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.1	10	ND		ug/Kg	422570	NA
Naphthalene	SW8260B	NA	09/26/14	1	2.8	10	ND		ug/Kg	422570	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/07/14

Client Sample ID:	MVP4-4A-1.5-2.0	**Lab Sample ID:**	1409106-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:04		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/26/14	1	2.9	10	ND		ug/Kg	422570	NA
(S) Dibromofluoromethane	SW8260B	NA	09/26/14	1	59.8	148	99.1		%	422570	NA
(S) Toluene-d8	SW8260B	NA	09/26/14	1	55.2	133	79.3		%	422570	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/26/14	1	55.8	141	85.3		%	422570	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/26/14	09/26/14	1	30	100	ND		ug/Kg	422570	12797
(S) 4-Bromofluorobenzene	8260TPH	9/26/14	09/26/14	1	43.9	127	62.2		%	422570	12797

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	91.1		%	422531	12774

MB Summary Report

Work Order:	1409106	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.6	
Pentacosane (S)			89.3	

Work Order:	1409106	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.3	
Pentacosane (S)			80.4	

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.19	

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12777
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422522
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.15	

MB Summary Report

Work Order:	1409106	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.60	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.17	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.50	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.18	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	0.19	
Zinc	0.25	5.0	0.31	

Work Order:	1409106	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12797
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			86.1	

MB Summary Report

Work Order:	1409106	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/14	**Prep Batch:**	12863
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/07/14	**Analytical Batch:**	422694
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409106	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409106	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	1.4	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			84.8	
(S) Toluene-d8			79.0	
(S) 4-Bromofluorobenzene			81.1	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409106	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/23/14	**Prep Batch:**	12759
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/23/14	**Analytical Batch:**	422511
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	69.2	75.6	8.83	50.8 - 111	30	
Pentacosane (S)			2.6	100	86.4	89.3		49.9 - 144		

Work Order:	1409106	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	68.3	64.5	5.75	50.8 - 111	30	
Pentacosane (S)			2.3	100	92.5	75.8		49.9 - 144		

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12776
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422521
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.19	50	96.6	98.7	2.11	67.9 - 118	30	

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12777
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422522
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.15	50	96.7	96.6	0.0621	67.9 - 118	30	

Work Order:	1409106	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	104	107	3.28	80.5 - 133	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.5	97.1	1.61	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	93.4	94.8	1.46	71 - 121	30	
Barium	0.07	5.0	0.60	50	101	102	1.28	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.4	104	4.64	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	98.3	99.7	1.42	68.7 - 110	30	
Chromium	0.050	5.0	0.17	50	97.5	99.6	2.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.4	99.9	0.542	57.4 - 122	30	
Copper	0.65	5.0	ND	50	100	102	2.37	74.8 - 119	30	
Lead	0.14	1.0	0.50	50	95.8	97.4	1.66	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.4	99.8	2.40	62.9 - 123	30	
Nickel	0.050	5.0	0.18	50	97.9	99.5	1.65	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	90.9	92.8	2.08	62 - 111	30	
Silver	0.37	1.0	ND	50	95.6	97.6	2.06	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.6	96.5	1.97	39.2 - 125	30	
Vanadium	0.18	5.0	0.19	50	100	103	2.76	65.8 - 122	30	
Zinc	0.25	5.0	0.31	50	96.8	98.0	1.25	59.9 - 122	30	

Work Order:	1409106	**Prep Method:**	5035	**Prep Date:**	09/26/14	**Prep Batch:**	12797
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	113	97.7	15.0	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			86.1	50	93.2	85.5		43.9 - 127		

Work Order:	1409106	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/14	**Prep Batch:**	12863
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/07/14	**Analytical Batch:**	422694
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	10	85.6	84.6	1.23	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409106	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	87.7	84.0	4.23	53.7 - 139	30	
Benzene	1.5	10	ND	50	84.3	83.3	1.28	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	82.3	79.9	2.81	57.5 - 150	30	
Toluene	0.98	10	ND	50	78.9	78.5	0.602	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	81.0	80.9	0.114	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	85.9	84.0		59.8 - 148		
(S) Toluene-d8			ND	50	78.3	79.6		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	78.3	79.2		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12777
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422522
Spiked Sample:	1409106-005A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.69	50	73.9	133	34.4	67.9 - 118	30	S,R

Work Order:	1409106	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	**Soil**	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Spiked Sample:	1409106-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	0.00037	1.25	99.7	98.6	1.05	60 - 140	30	

Work Order:	1409106	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Spiked Sample:	1409106-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.019	50	69.0	73.7	3.82	30.7 - 130	30	
Arsenic	0.25	1.7	0.11	50	87.8	90.0	2.20	71 - 121	30	
Barium	0.07	5.0	2.6	50	130	153	5.68	70.2 - 130	30	S
Beryllium	0.0800	2.0	0.00	50	98.7	96.7	2.38	73.3 - 115	30	
Cadmium	0.055	1.0	0.00	50	85.2	85.5	0.387	68.7 - 110	30	
Chromium	0.050	5.0	0.56	50	89.4	88.8	0.138	76 - 116	30	
Cobalt	0.055	5.0	0.15	50	84.7	86.8	2.08	57.4 - 122	30	
Copper	0.65	5.0	0.37	50	103	108	3.16	74.8 - 119	30	
Lead	0.14	1.0	0.57	50	95.2	93.2	1.19	67.9 - 118	30	
Molybdenum	0.12	5.0	0.00	50	81.3	82.9	1.90	62.9 - 123	30	
Nickel	0.050	5.0	0.66	50	89.7	89.4	0.385	61.5 - 122	30	
Selenium	0.42	5.0	0.00	50	83.7	84.9	1.38	62 - 111	30	
Silver	0.37	1.0	0.00	50	83.7	84.6	1.12	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	72.6	71.6	1.33	39.2 - 125	30	
Vanadium	0.18	5.0	0.58	50	101	105	2.42	65.8 - 122	30	
Zinc	0.25	5.0	0.99	50	100	110	4.85	59.9 - 122	30	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409106	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Spiked Sample:	1409106-007A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	141.093	25	12.9	7.39	22.7	50.8 - 111	30	S
Pentacosane (S)				100	57.2	48.9		49.9 - 144		S

Work Order:	1409106	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/26/14	**Analytical Batch:**	422570
Spiked Sample:	1409106-018A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	0	50	64.9	65.8	1.30	53.7 - 139	30	
Benzene	1.5	10	0	50	73.0	73.2	0.252	66.5 - 135	30	
Trichloroethylene	3.9	10	0	50	67.6	68.0	0.525	57.5 - 150	30	
Toluene	0.98	10	0	50	65.4	66.3	1.43	56.8 - 134	30	
Chlorobenzene	4.2	10	0	50	67.1	67.0	0.131	57.4 - 134	30	
(S) Dibromofluoromethane				50	97.0	96.7		59.8 - 148		
(S) Toluene-d8				50	79.6	81.1		55.2 - 133		
(S) 4-Bromofluorobenzene				50	84.5	82.7		55.8 - 141		

Work Order:	1409106	**Prep Method:**	WET/3010B	**Prep Date:**	10/07/14	**Prep Batch:**	12863
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/07/14	**Analytical Batch:**	422694
Spiked Sample:	1409106-004A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	0.191	10	84.1	84.9	0.966	75 - 125	20	

Duplicate QC Summary Report

Work Order:	1409106	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422560
Units:						**Lab Sample ID:**	1409108-010A-Dup

Parameters	**MDL**	**PQL**	**Sample Result**	**Duplicate Result**	**% RPD**
pH	0.100	2.00	6.26	6.33	1.11

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409106

Date and Time Received: 9/23/2014 16:10

Received By: ng

Physically Logged By: ng

Checklist Completed By: ng

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: na

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Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	16:10

Comments:

Work Order # : ***1409106***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409106-001A	MVP5-5A-0-0.5	09/23/14 9:50	Soil	03/21/15			S_7471BHG S_6010BCAM17 S_pH9045C S_TPHDOSG Percent Moisture	
1409106-002A	MVP5-5A-1.0-1.5	09/23/14 9:53	Soil	03/21/15			S_6010BAs/Pb Percent Moisture S_8260Full S_GCMS-GRO	
Sample Note:	As/Pb 6010 all for Pb							
1409106-003A	MVP5-5A-1.5-2.0	09/23/14 9:55	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_8260Full S_GCMS-GRO Percent Moisture	
1409106-004A	MVP5-5B-0.0-0.5	09/23/14 10:00	Soil	03/21/15			S_6010BAs/Pb S_6010B(STLC)	
1409106-005A	MVP5-5B-1.0-1.5	09/23/14 10:03	Soil	03/21/15			S_6010BAs/Pb	
1409106-006A	MVP5-5B-1.5-2.0	09/23/14 10:05	Soil	03/21/15			S_6010BAs/Pb	
1409106-007A	MVP5-5C-0.0-0.5	09/23/14 10:08	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture	
1409106-008A	MVP5-5C-1.0-1.5	09/23/14 10:12	Soil	03/21/15			S_6010BAs/Pb S_GCMS-GRO Percent Moisture S_8260Full S_TPHDOSG	
1409106-009A	MVP5-5C-1.5-2.0	09/23/14 10:15	Soil	03/21/15				

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	16:10

Comments:

Work Order # : ***1409106***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409106-010A	MVP4-4C-0.0-0.5	09/23/14 10:37	Soil	03/21/15			S_7471BHG Percent Moisture S_pH9045C S_6010BCAM17 S_GCMS-GRO S_8260Full	
1409106-011A	MVP4-4C-1.0-1.5	09/23/14 10:40	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture	
1409106-012A	MVP4-4C-1.5-2.0	09/23/14 10:44	Soil	03/21/15			S_6010BAs/Pb S_TPHDOSG S_GCMS-GRO S_8260Full Percent Moisture	
1409106-013A	MVP4-4B-0.0-0.5	09/23/14 10:47	Soil	03/21/15			S_7471BHG S_6010BCAM17 S_8260Full S_GCMS-GRO Percent Moisture S_pH9045C	
1409106-014A	MVP4-4B-1.0-1.5	09/23/14 10:50	Soil	03/21/15			S_6010BAs/Pb	
1409106-015A	MVP4-4B-1.5-2.0	09/23/14 10:54	Soil	03/21/15			S_6010BAs/Pb	
1409106-016A	MVP4-4A-0.0-0.5	09/23/14 10:57	Soil	03/21/15			S_6010BAs/Pb	
1409106-017A	MVP4-4A-1.0-1.5	09/23/14 11:00	Soil	03/21/15			S_7471BHG S_6010BCAM17 Percent Moisture S_TPHDOSG S_pH9045C S_6010BAs/Pb	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	16:10

Comments:

Work Order # : ***1409106***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409106-018A	MVP4-4A-1.5-2.0	09/23/14 11:04	Soil	03/21/15			S_GCMS-GRO Percent Moisture S_8260Full S_6010BAs/Pb Percent Moisture S_GCMS-GRO S_TPHDOSG S_8260Full	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

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1 of 5

LAB WORK ORDER NO: 1409106

Company Name: URS Corporation ☒ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway, Suite 800 | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: *SGC=Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
001A		MVP5-5A-0.0-0.5	9/23/14 9:50	Soil	1	GJ		X		X	X	X				
002A		MVP5-5A-1.0-1.5	9/23/14 9:53	Soil	1	GJ	X		X			X				
003A		MVP5-5A-1.5-2.0	9/23/14 9:55	Soil	1	GJ	X		X	X		X				
004A		MVP5-5B-0.0-0.5	9/23/14 10:00	Soil	1	GJ	X									
005A		MVP5-5B-1.0-1.5	9/23/14 10:03	Soil	1	GJ	X									
006A		MVP5-5B-1.5-2.0	9/23/14 10:05	Soil	1	GJ	X									
007A		MVP5-5C-0.0-0.5	9/23/14 10:08	Soil	1	GJ	X			X		X				
008A		MVP5-5C-1.0-1.5	9/23/14 10:12	Soil	1	GJ	X		X	X		X				
009A		MVP5-5C-1.5-2.0	9/23/14 10:15	Soil	1	GJ		X	X		X	X				
010A		MVP2-4C-0.0-0.5	9/23/14 10:37	Soil	1	GJ	X	[illegible]		X	[illegible]	X				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/23/14	15:18	[signature]	D. Baker	9/23/14	15:18
2	[signature]	D. Baker	9/23/14	16:10	[signature]	NAVIN G	9-23-14	16:10

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Log In By: REC NG LI LBL LIR Date: ____ Labeled By: ____ Date: ____ Log In Reviewed By: ____ Date: ____

Rev 2.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

2 of 5

LAB WORK ORDER NO: 1409106

Company Name: URS Corporation ☐ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: * SGC = Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture			REMARKS
011A		MVP4-4C-1.0-1.5	9/23/14 10:40	Soil	1	GJ	X		X	X		X			
012A		MVP4-4C-1.5-2.0	9/23/14 10:44	Soil	1	GJ		X	X		X	X			
013A		MVP4-4B-0.0-0.5	9/23/14 10:47	Soil	1	GJ	X								
014A		MVP4-4B-1.0-1.5	9/23/14 10:50	Soil	1	GJ	X								
015A		MVP4-4B-1.5-2.0	9/23/14 10:54	Soil	1	GJ	X								
016A		MVP4-4A-0.0-0.5	9/23/14 10:57	Soil	1	GJ		X		X	X	X			
017A		MVP4-4A-1.0-1.5	9/23/14 11:00	Soil	1	GJ	X		X			X			
018A		MVP4-4A-1.5-2.0	9/23/14 11:04	Soil	1	GJ	X		X	X		X			
		MVP3-3A-0.0-0.5	9/23/14 11:26	Soil	1	GJ		X	X		X	X			
		MVP3-3A-1.0-1.5	9/23/14 11:30	Soil	1	GJ	X		X			X			

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/23/14	15:18	[signature]	D. Baker	9/23/14	15:18
2	FCS Courier		9/23/14	16:10	[signature]	NAVIN G	9-23-14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Log In By: NGL LBL LIR Date: ____ Labeled By: ____ Date: ____ Log In Reviewed By: ____ Date: ____ Rev 2.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1409106 **Serial #:** CO14-0295 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Pb for sample 004; 1 day rush due 10/6/14	10/1/2014	3:30:00PM	

Page 1 of 1

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409107 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 18 sample(s) on September 23, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 06, 2014
Date

Date: 10/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409107

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

REVISIONS

Report revised to include STLC and TCLP data for Lead on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/1/14 at 6:00 PM to 10/3/14 at 3:30 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid # 1 was performed according to Toxicity Characteristic Leaching Procedure (SW-846 1311 TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 10/2/14 at 3:00 PM to 10/3/14 at 9:40 AM.

Rev. 1 (10/6/14)

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP3-3A-0.0-0.5 1409107-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	31	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	56	mg/Kg
Lead	SW6010B	1	0.14	1.0	97	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	38	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	36	mg/Kg
Zinc	SW6010B	1	0.25	5.0	110	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	4.59	%
pH	SW9045C	1	0.10	2.0	6.21	S.U.
Lead (STLC)	SW6010B	1	0.0500	0.10	5.0	mg/L

MVP3-3A-1.0-1.5 1409107-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.6	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.46	%

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP3-3A-1.5-2.0 1409107-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.2	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.41	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	7.3	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	61	mg/Kg

MVP3-3B-0.0-0.5 1409107-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	27	mg/Kg

MVP3-3B-1.0-1.5 1409107-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.3	mg/Kg

MVP3-3B-1.5-2.0 1409107-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	10	mg/Kg

MVP3-3C-0.0-0.5 1409107-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	87	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	3.36	%
TPH as Diesel (SG)	SW8015B(M)	2	1.3	4.0	4.4	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	2	2.0	21	160	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	4.0	mg/L

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP3-3C-1.0-1.5 1409107-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.3	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.30	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.0	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	17	mg/Kg

MVP3-3C-1.5-2.0 1409107-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	2.9	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	38	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	13	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.4	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	40	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	35	mg/Kg
Zinc	SW6010B	1	0.25	5.0	30	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.93	%
pH	SW9045C	1	0.10	2.0	6.46	S.U.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP2-2C-0.0-0.5 1409107-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	71	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.96	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.5	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	1.2	mg/L

MVP2-2C-1.0-1.5 1409107-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	6.5	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.21	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.9	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	17	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP2-2C-1.5-2.0 1409107-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	41	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	14	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	58	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	39	mg/Kg
Zinc	SW6010B	1	0.25	5.0	32	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.27	%
pH	SW9045C	1	0.10	2.0	7.12	S.U.

MVP2-2B-0.0-0.5 1409107-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	36	mg/Kg

MVP2-2B-1.0-1.5 1409107-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	33	mg/Kg

MVP2-2B-1.5-2.0 1409107-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	11	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP2-2A-0.0-0.5 1409107-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.9	mg/Kg
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	33	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	30	mg/Kg
Lead	SW6010B	1	0.14	1.0	130	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	40	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	67	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	5.91	%
pH	SW9045C	1	0.10	2.0	6.68	S.U.
TPH as Diesel (SG)	SW8015B(M)	2	1.3	4.0	4.5	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	2	2.0	21	100	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	6.2	mg/L

MVP2-2A-1.0-1.5 1409107-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	27	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.88	%

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP2-2A-1.5-2.0 1409107-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	11	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.70	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.4	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	13	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-0.0-0.5	**Lab Sample ID:**	1409107-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	4.59		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	5.0		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.3		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	130		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	31		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	9.3		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	56		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	97		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	38		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	36		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	110		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-0.0-0.5	**Lab Sample ID:**	1409107-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-0.0-0.5	**Lab Sample ID:**	1409107-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	98.6		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	81.1		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	91.5		%	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-0.0-0.5	**Lab Sample ID:**	1409107-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	63.7		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.21		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.0-1.5	**Lab Sample ID:**	1409107-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.46		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.6		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.0-1.5	**Lab Sample ID:**	1409107-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.0-1.5	**Lab Sample ID:**	1409107-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	98.3		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	78.3		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	85.2		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	70.4		%	422576	12804

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.5-2.0	**Lab Sample ID:**	1409107-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:33		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.41		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.2		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.5-2.0	**Lab Sample ID:**	1409107-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:33		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3A-1.5-2.0	**Lab Sample ID:**	1409107-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:33		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	99.4		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	75.9		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	80.6		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	72.0		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	7.3	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	61		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	103		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3B-0.0-0.5	**Lab Sample ID:**	1409107-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:37		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	27		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3B-1.0-1.5	**Lab Sample ID:**	1409107-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	7.3		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3B-1.5-2.0	**Lab Sample ID:**	1409107-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:43		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	10		mg/Kg	422522	12777

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-0.0-0.5	**Lab Sample ID:**	1409107-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	3.36		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	4.0		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	87		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	2	1.3	4.0	4.4	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	2	2.0	21	160		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	2	49.9	144	86.7		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.0-1.5	**Lab Sample ID:**	1409107-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.30		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	6.3		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/30/14	1	4.4	10	ND		ug/Kg	422597	NA
Chloromethane	SW8260B	NA	09/30/14	1	4.6	10	ND		ug/Kg	422597	NA
Vinyl Chloride	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
Bromomethane	SW8260B	NA	09/30/14	1	4.7	10	ND		ug/Kg	422597	NA
Trichlorofluoromethane	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
1,1-Dichloroethene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
Freon 113	SW8260B	NA	09/30/14	1	3.7	10	ND		ug/Kg	422597	NA
Methylene Chloride	SW8260B	NA	09/30/14	1	2.0	50	ND		ug/Kg	422597	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
MTBE	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
tert-Butanol	SW8260B	NA	09/30/14	1	21	50	ND		ug/Kg	422597	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,1-Dichloroethane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
ETBE	SW8260B	NA	09/30/14	1	2.4	10	ND		ug/Kg	422597	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
2,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Bromochloromethane	SW8260B	NA	09/30/14	1	2.3	10	ND		ug/Kg	422597	NA
Chloroform	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Carbon Tetrachloride	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
1,1,1-Trichloroethane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Benzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
TAME	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dichloroethane	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Trichloroethylene	SW8260B	NA	09/30/14	1	3.9	10	ND		ug/Kg	422597	NA
Dibromomethane	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.0-1.5	**Lab Sample ID:**	1409107-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Toluene	SW8260B	NA	09/30/14	1	0.98	10	ND		ug/Kg	422597	NA
Tetrachloroethylene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2-Trichloroethane	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
Dibromochloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,3-Dichloropropane	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dibromoethane	SW8260B	NA	09/30/14	1	1.7	10	ND		ug/Kg	422597	NA
Ethyl Benzene	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
Chlorobenzene	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
m,p-Xylene	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
o-Xylene	SW8260B	NA	09/30/14	1	0.66	5.0	ND		ug/Kg	422597	NA
Styrene	SW8260B	NA	09/30/14	1	0.77	10	ND		ug/Kg	422597	NA
Bromoform	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Isopropyl Benzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
n-Propylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Bromobenzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	3.0	10	ND		ug/Kg	422597	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,2,3-Trichloropropane	SW8260B	NA	09/30/14	1	3.3	10	ND		ug/Kg	422597	NA
4-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
2-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
tert-Butylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
sec-Butyl Benzene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
p-Isopropyltoluene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
1,3-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
1,4-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
n-Butylbenzene	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
Hexachlorobutadiene	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
Naphthalene	SW8260B	NA	09/30/14	1	2.8	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.0-1.5	**Lab Sample ID:**	1409107-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:53		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
(S) Dibromofluoromethane	SW8260B	NA	09/30/14	1	59.8	148	93.9		%	422597	NA
(S) Toluene-d8	SW8260B	NA	09/30/14	1	55.2	133	80.7		%	422597	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/30/14	1	55.8	141	87.0		%	422597	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/30/14	09/30/14	1	30	100	ND		ug/Kg	422597	12816
(S) 4-Bromofluorobenzene	8260TPH	9/30/14	09/30/14	1	43.9	127	65.0		%	422597	12816

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	3.0	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	17		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	87.5		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.5-2.0	**Lab Sample ID:**	1409107-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:56		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.93		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	2.9		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	140		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	38		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	11		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	13		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	8.4		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	40		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	35		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	30		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.5-2.0	**Lab Sample ID:**	1409107-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:56		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.5-2.0	**Lab Sample ID:**	1409107-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:56		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	91.2		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	81.1		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	90.4		%	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP3-3C-1.5-2.0	**Lab Sample ID:**	1409107-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 11:56		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	75.2		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.46		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-0.0-0.5	**Lab Sample ID:**	1409107-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.96		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	1.2		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/24/14	1	0.13	1.0	71		mg/Kg	422522	12777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	2.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	75.6		%	422531	12774

NOTE: x- Diesel result due to unknown organics within quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.0-1.5	**Lab Sample ID:**	1409107-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.21		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	6.5		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.0-1.5	**Lab Sample ID:**	1409107-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.0-1.5	**Lab Sample ID:**	1409107-011A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:26		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	94.6		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	82.7		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	85.9		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	70.0		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	3.9	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	17		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	81.5		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.5-2.0	**Lab Sample ID:**	1409107-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.27		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.5		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	160		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	41		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	14		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	17		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	6.0		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	58		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	39		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	32		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.5-2.0	**Lab Sample ID:**	1409107-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.5-2.0	**Lab Sample ID:**	1409107-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	93.8		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	81.4		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	90.6		%	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2C-1.5-2.0	**Lab Sample ID:**	1409107-012A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:30		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	69.4		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	7.12		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2B-0.0-0.5	**Lab Sample ID:**	1409107-013A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:34		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	36		mg/Kg	422527	12780

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2B-1.0-1.5	**Lab Sample ID:**	1409107-014A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:37		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	33		mg/Kg	422527	12780

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2B-1.5-2.0	**Lab Sample ID:**	1409107-015A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	11		mg/Kg	422527	12780

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-0.0-0.5	**Lab Sample ID:**	1409107-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:43		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.91		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	6.2		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	10/3/14	10/03/14	1	0.05	0.10	ND		mg/L	422668	12850

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.9		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	130		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	33		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	8.3		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	30		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	130		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	40		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	29		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	67		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-0.0-0.5	**Lab Sample ID:**	1409107-016A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:43		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.68		S.U.	422560	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	2	1.3	4.0	4.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	2	2.0	21	100		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	2	49.9	144	62.9		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.0-1.5	**Lab Sample ID:**	1409107-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:46		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.88		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	27		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.0-1.5	**Lab Sample ID:**	1409107-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:46		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.0-1.5	**Lab Sample ID:**	1409107-017A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:46		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	98.1		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	80.1		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	86.3		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	71.1		%	422576	12804

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.5-2.0	**Lab Sample ID:**	1409107-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.70		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	11		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.5-2.0	**Lab Sample ID:**	1409107-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP2-2A-1.5-2.0	**Lab Sample ID:**	1409107-018A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 12:50		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	97.0		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	80.2		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	88.0		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	72.4		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	2.4	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	13		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	78.0		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

MB Summary Report

Work Order:	1409107	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.3	
Pentacosane (S)			80.4	

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12777
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422522
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.15	

Work Order:	1409107	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12780
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422527
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.20	

MB Summary Report

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.60	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.17	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.50	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.18	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	0.19	
Zinc	0.25	5.0	0.31	

Work Order:	1409107	**Prep Method:**	5035	**Prep Date:**	09/29/14	**Prep Batch:**	12804
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	60	
(S) 4-Bromofluorobenzene			65.0	

Work Order:	1409107	**Prep Method:**	5035	**Prep Date:**	09/30/14	**Prep Batch:**	12816
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	40	
(S) 4-Bromofluorobenzene			89.1	

MB Summary Report

Work Order:	1409107	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

Work Order:	1409107	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	18	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			87.3	
(S) Toluene-d8			81.1	
(S) 4-Bromofluorobenzene			79.9	

MB Summary Report

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			83.7	
(S) Toluene-d8			82.2	
(S) 4-Bromofluorobenzene			82.4	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409107	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	68.3	64.5	5.75	50.8 - 111	30	
Pentacosane (S)			2.3	100	92.5	75.8		49.9 - 144		

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12777
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422522
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.15	50	96.7	96.6	0.0621	67.9 - 118	30	

Work Order:	1409107	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	104	107	3.28	80.5 - 133	30	

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12780
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422527
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.20	50	96.3	97.0	0.693	67.9 - 118	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.5	97.1	1.61	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	93.4	94.8	1.46	71 - 121	30	
Barium	0.07	5.0	0.60	50	101	102	1.28	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.4	104	4.64	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	98.3	99.7	1.42	68.7 - 110	30	
Chromium	0.050	5.0	0.17	50	97.5	99.6	2.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.4	99.9	0.542	57.4 - 122	30	
Copper	0.65	5.0	ND	50	100	102	2.37	74.8 - 119	30	
Lead	0.14	1.0	0.50	50	95.8	97.4	1.66	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.4	99.8	2.40	62.9 - 123	30	
Nickel	0.050	5.0	0.18	50	97.9	99.5	1.65	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	90.9	92.8	2.08	62 - 111	30	
Silver	0.37	1.0	ND	50	95.6	97.6	2.06	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.6	96.5	1.97	39.2 - 125	30	
Vanadium	0.18	5.0	0.19	50	100	103	2.76	65.8 - 122	30	
Zinc	0.25	5.0	0.31	50	96.8	98.0	1.25	59.9 - 122	30	

Work Order:	1409107	**Prep Method:**	5035	**Prep Date:**	09/29/14	**Prep Batch:**	12804
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	60	1000	103	110	6.80	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			65.0	50	83.6	95.4		43.9 - 127		

Work Order:	1409107	**Prep Method:**	5035	**Prep Date:**	09/30/14	**Prep Batch:**	12816
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	40	1000	100	103	2.85	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			89.1	50	89.9	108		43.9 - 127		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409107	**Prep Method:**	1311/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12850
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/03/14	**Analytical Batch:**	422668
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.6	94.4	1.29	80 - 120	20	

Work Order:	1409107	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	10	85.4	86.2	0.932	80 - 120	20	

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	82.8	80.6	2.74	53.7 - 139	30	
Benzene	1.5	10	ND	50	87.5	86.4	1.41	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	80.5	81.0	0.697	57.5 - 150	30	
Toluene	0.98	10	ND	50	79.5	79.1	0.414	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	80.4	82.2	2.21	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	87.0	87.5		59.8 - 148		
(S) Toluene-d8			ND	50	78.1	77.7		55.2 - 133		
(S) 4-Bromofluorobenzene			18	50	78.9	77.0		55.8 - 141		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409107	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	83.9	75.6	10.6	53.7 - 139	30	
Benzene	1.5	10	ND	50	91.5	86.2	5.84	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	92.2	87.5	5.22	57.5 - 150	30	
Toluene	0.98	10	ND	50	95.0	89.9	5.51	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	95.7	91.2	4.88	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	79.4	79.8		59.8 - 148		
(S) Toluene-d8			ND	50	81.3	81.9		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	81.7	76.6		55.8 - 141		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409107	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12780
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422527
Spiked Sample:	1409107-011A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.13	50	88.6	89.5	0.489	67.9 - 118	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409107

Date and Time Received: 9/23/2014 15:18

Received By: NG

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	15:18

Comments:

Work Order # : ***1409107***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409107-001A	MVP3-3A-0.0-0.5	09/23/14 11:26	Soil	03/22/15			S_7471BHG S_6010B(STLC) S_pH9045C S_6010BCAM17 Percent Moisture S_GCMS-GRO S_8260Full	
1409107-002A	MVP3-3A-1.0-1.5	09/23/14 11:30	Soil	03/22/15			S_6010BAs/Pb S_8260Full Percent Moisture S_GCMS-GRO	
Sample Note:	6010 As/Pb for Pb only							
1409107-003A	MVP3-3A-1.5-2.0	09/23/14 11:33	Soil	03/22/15			S_6010BAs/Pb S_TPHDOSG S_8260Full Percent Moisture S_GCMS-GRO	
1409107-004A	MVP3-3B-0.0-0.5	09/23/14 11:37	Soil	03/22/15			S_6010BAs/Pb	
1409107-005A	MVP3-3B-1.0-1.5	09/23/14 11:40	Soil	03/22/15			S_6010BAs/Pb	
1409107-006A	MVP3-3B-1.5-2.0	09/23/14 11:43	Soil	03/22/15			S_6010BAs/Pb	
1409107-007A	MVP3-3C-0.0-0.5	09/23/14 11:50	Soil	03/22/15			S_6010BAs/Pb Percent Moisture S_6010B(STLC) S_TPHDOSG	
1409107-008A	MVP3-3C-1.0-1.5	09/23/14 11:53	Soil	03/22/15			S_6010BAs/Pb S_GCMS-GRO S_TPHDOSG S_8260Full	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	15:18

Comments:

Work Order # : ***1409107***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409107-009A	MVP3-3C-1.5-2.0	09/23/14 11:56	Soil	03/22/15			Percent Moisture S_7471BHG S_8260Full S_GCMS-GRO Percent Moisture S_pH9045C S_6010BCAM17	
1409107-010A	MVP2-2C-0.0-0.5	09/23/14 12:20	Soil	03/22/15			S_6010BAs/Pb Percent Moisture S_6010B(STLC) S_TPHDOSG	
1409107-011A	MVP2-2C-1.0-1.5	09/23/14 12:26	Soil	03/22/15			S_6010BAs/Pb Percent Moisture S_TPHDOSG S_8260Full S_GCMS-GRO	
1409107-012A	MVP2-2C-1.5-2.0	09/23/14 12:30	Soil	03/22/15			S_7471BHG S_6010BCAM17 S_pH9045C S_8260Full S_GCMS-GRO Percent Moisture	
1409107-013A	MVP2-2B-0.0-0.5	09/23/14 12:34	Soil	03/22/15			S_6010BAs/Pb	
1409107-014A	MVP2-2B-1.0-1.5	09/23/14 12:37	Soil	03/22/15			S_6010BAs/Pb	
1409107-015A	MVP2-2B-1.5-2.0	09/23/14 12:40	Soil	03/22/15			S_6010BAs/Pb	
1409107-016A	MVP2-2A-0.0-0.5	09/23/14 12:43	Soil	03/22/15			S_7471BHG S_6010B(STLC) S_6010B(TCLP) S_TPHDOSG	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	15:18

Comments:

Work Order # : ***1409107***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409107-017A	MVP2-2A-1.0-1.5	09/23/14 12:46	Soil	03/22/15			Percent Moisture S_pH9045C S_6010BCAM17 S_6010BAs/Pb	
1409107-018A	MVP2-2A-1.5-2.0	09/23/14 12:50	Soil	03/22/15			Percent Moisture S_8260Full S_GCMS-GRO S_6010BAs/Pb S_TPHDOSG Percent Moisture S_GCMS-GRO S_8260Full	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1409107

Company Name: URS Corporation ☐ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: * SGC = Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE		Lead	CAM 17 Metals	TPH-g/BTEX	TPH-d/mo w/SGC*	pH	Moisture			REMARKS
		MVP4-4C-1.0-1.5	9/23/14 10:40	Soil	1	GJ		X		X	X		X			
		MVP4-4C-1.5-2.0	9/23/14 10:44	Soil	1	GJ			X	X		X	X			
		MVP4-4B-0.0-0.5	9/23/14 10:47	Soil	1	GJ		X								
		MVP4-4B-1.0-1.5	9/23/14 10:50	Soil	1	GJ		X								
		MVP4-4B-1.5-2.0	9/23/14 10:54	Soil	1	GJ		X								
		MVP4-4A-0.0-0.5	9/23/14 10:57	Soil	1	GJ			X		X	X	X			
		MVP4-4A-1.0-1.5	9/23/14 11:00	Soil	1	GJ		X		X			X			
		MVP4-4A-1.5-2.0	9/23/14 11:04	Soil	1	GJ		X		X	X		X			
001A		MVP3-3A-0.0-0.5	9/23/14 11:20	Soil	1	GJ			X	X		X	X			
002A		MVP3-3A-1.0-1.5	9/23/14 11:30	Soil	1	GJ		X		X			X			

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/23/14	15:18	[signature]	D. BAKER	9/23/14	15:18
2	FCS Courier		9/23/14	16:10	[signature]	NAVIN G	9-23-14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

3 of 5

LAB WORK ORDER NO: 1409107

Company Name: ARS Corporation ☒ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway, Suite 800 | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: *SGC = Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@ars.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/SGC*	pH	Moisture			REMARKS
003A		MVP3-3A-1.5-2.0	9/23/14 11:33	Soil	1	GJ	X		X	X		X			
004A		MVP3-3B-0.0-0.5	9/23/14 11:37	Soil	1	GJ	X								
005A		MVP3-3B-1.0-1.5	9/23/14 11:40	Soil	1	GJ	X								
006A		MVP3-3B-1.5-2.0	9/23/14 11:43	Soil	1	GJ	X								
007A		MVP3-3C-0.0-0.5	9/23/14 11:50	Soil	1	GJ	X			X		X			
008A		MVP3-3C-1.0-1.5	9/23/14 11:53	Soil	1	GJ	X		X	X		X			
009A		MVP3-3C-1.5-2.0	9/23/14 11:56	Soil	1	GJ		X	X		X	X			
010A		MVP2-2C-0.0-0.5	9/23/14 12:20	Soil	1	GJ	X			X		X			
011A		MVP2-2C-1.0-1.5	9/23/14 12:26	Soil	1	GJ	X		X	X		X			
012A		MVP2-2C-1.5-2.0	9/23/14 12:30	Soil	1	GJ		X	X		X	X			

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Erik Skov	Erik Skov	9/23/14	15:18	D. Baker	D. Baker	9/23/14	15:18
2	FCS Courier		9/23/14	16:10	[illegible]	NAVIN G.	9/23/14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Log In By: ____ Date: ____ Labeled By: ____ Date: ____ Log In Reviewed By: ____ Date: ____

REC NGLI LBL LIR

Rev 2.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

4 of 5

LAB WORK ORDER NO: 1409107

Company Name: URS Corporation ☒ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: *SGC=Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/mo w/sgc*	pH	Moisture			REMARKS
013A		MVP2-2B-0.0-0.5	9/23/14 12:34	Soil	1	GJ	X								
014A		MVP2-2B-1.0-1.5	9/23/14 12:37	Soil	1	GJ	X								
015A		MVP2-2B-1.5-2.0	9/23/14 12:40	Soil	1	GJ	X								
016A		MVP2-2A-0.0-0.5	9/23/14 12:43	Soil	1	GJ		X		X	X	X			
017A		MVP2-2A-1.0-1.5	9/23/14 12:46	Soil	1	GJ	X		X			X			
018A		MVP2-2A-1.5-2.0	9/23/14 12:50	Soil	1	GJ	X		X	X		X			
		MVP1-1A-0.0-0.5	9/23/14 13:05	Soil	1	GJ		X		X	X	X			
		MVP1-1A-1.0-1.5	9/23/14 13:11	Soil	1	GJ	X		X			X			
		MVP1-1A-1.5-2.0	9/23/14 13:15	Soil	1	GJ	X		X	X		X			
		MVP1-1B-0.0-0.5	9/23/14 13:20	Soil	1	GJ	X								

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Erik Skov	9/23/14	15:18	[signature]	D. Baker	9/23/14	15:18
2	FCS Courier		9/23/14	16:10	[signature]	Navin G	9/23/14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

REG In By: ____ Date: ____ Labeled By: ____ Date: ____ Log In Reviewed By: ____ Date: ____ Rev 2.

LI LBL LIR

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1409107 **Serial #:** CO14-0297 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Pb for samples 001, 007, 010, 016; TCLP for Pb for sample 016; 1 day rush due 10/6	10/1/2014	3:00:00PM	

Page 1 of 1

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URS (Oakland)
1300 Broadway # 800
Oakland, California 94612-2501
Tel: 510-893-3600

RE: I-680

Work Order No.: 1409108 Rev: 1

Dear Joe Morgan:

Torrent Laboratory, Inc. received 11 sample(s) on September 23, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Yelena Brodskaya
Technical Manager

October 06, 2014
Date

Date: 10/6/2014

Client: URS (Oakland)

Project: I-680

Work Order: 1409108

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

REVISIONS

Report revised to include STLC and TCLP data for Lead on client designated samples.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 10/1/14 at 6:00 PM to 10/3/14 at 3:30 PM.

Rev. 1 (10/6/14)

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP1-1A-0.0-0.5 1409108-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	26	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.6	mg/Kg
Copper	SW6010B	1	0.650	5.0	20	mg/Kg
Lead	SW6010B	1	0.14	1.0	42	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	33	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	65	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	5.02	%
pH	SW9045C	1	0.10	2.0	6.73	S.U.
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	4.5	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	72	mg/Kg

MVP1-1A-1.0-1.5 1409108-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	8.3	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	8.49	%

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP1-1A-1.5-2.0 1409108-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.5	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	9.37	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	2.3	mg/Kg

MVP1-1B-0.0-0.5 1409108-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	88	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	3.2	mg/L

MVP1-1B-1.0-1.5 1409108-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	29	mg/Kg

MVP1-1B-1.5-2.0 1409108-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	7.8	mg/Kg

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP1-1C-0.0-0.5 1409108-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	74	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	2.92	%
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	4.5	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	74	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	3.9	mg/L

MVP1-1C-1.0-1.5 1409108-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.13	1.0	5.8	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	16.9	%

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

MVP1-1C-1.5-2.0 1409108-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	41	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	43	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	38	mg/Kg
Zinc	SW6010B	1	0.25	5.0	41	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	17.0	%
pH	SW9045C	1	0.10	2.0	6.24	S.U.

Sample Result Summary

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

FD-2 1409108-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	3.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	40	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	41	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	36	mg/Kg
Zinc	SW6010B	1	0.25	5.0	39	mg/Kg
Percent Moisture	D2216	1	0.100	0.100	18.2	%
pH	SW9045C	1	0.10	2.0	6.26	S.U.

Trip Blank 1409108-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-0.0-0.5	**Lab Sample ID:**	1409108-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	5.02		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	5.3		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	140		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	26		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	7.6		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	20		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	42		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	33		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	30		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	65		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.73		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-0.0-0.5	**Lab Sample ID:**	1409108-001A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:05		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	4.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	72		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	72.6		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.0-1.5	**Lab Sample ID:**	1409108-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	8.49		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	8.3		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.0-1.5	**Lab Sample ID:**	1409108-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.0-1.5	**Lab Sample ID:**	1409108-002A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:11		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	88.3		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	74.8		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	81.7		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	62.8		%	422576	12804

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.5-2.0	**Lab Sample ID:**	1409108-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	9.37		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	7.5		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/29/14	1	4.4	10	ND		ug/Kg	422576	NA
Chloromethane	SW8260B	NA	09/29/14	1	4.6	10	ND		ug/Kg	422576	NA
Vinyl Chloride	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
Bromomethane	SW8260B	NA	09/29/14	1	4.7	10	ND		ug/Kg	422576	NA
Trichlorofluoromethane	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
1,1-Dichloroethene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
Freon 113	SW8260B	NA	09/29/14	1	3.7	10	ND		ug/Kg	422576	NA
Methylene Chloride	SW8260B	NA	09/29/14	1	2.0	50	ND		ug/Kg	422576	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
MTBE	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
tert-Butanol	SW8260B	NA	09/29/14	1	21	50	ND		ug/Kg	422576	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,1-Dichloroethane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
ETBE	SW8260B	NA	09/29/14	1	2.4	10	ND		ug/Kg	422576	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
2,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Bromochloromethane	SW8260B	NA	09/29/14	1	2.3	10	ND		ug/Kg	422576	NA
Chloroform	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
Carbon Tetrachloride	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
1,1,1-Trichloroethane	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Benzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
TAME	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dichloroethane	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Trichloroethylene	SW8260B	NA	09/29/14	1	3.9	10	ND		ug/Kg	422576	NA
Dibromomethane	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichloropropane	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.5-2.0	**Lab Sample ID:**	1409108-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Toluene	SW8260B	NA	09/29/14	1	0.98	10	ND		ug/Kg	422576	NA
Tetrachloroethylene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2-Trichloroethane	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
Dibromochloromethane	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,3-Dichloropropane	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
1,2-Dibromoethane	SW8260B	NA	09/29/14	1	1.7	10	ND		ug/Kg	422576	NA
Ethyl Benzene	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
Chlorobenzene	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	0.86	10	ND		ug/Kg	422576	NA
m,p-Xylene	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
o-Xylene	SW8260B	NA	09/29/14	1	0.66	5.0	ND		ug/Kg	422576	NA
Styrene	SW8260B	NA	09/29/14	1	0.77	10	ND		ug/Kg	422576	NA
Bromoform	SW8260B	NA	09/29/14	1	1.9	10	ND		ug/Kg	422576	NA
Isopropyl Benzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
n-Propylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
Bromobenzene	SW8260B	NA	09/29/14	1	1.2	10	ND		ug/Kg	422576	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/29/14	1	3.0	10	ND		ug/Kg	422576	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
1,2,3-Trichloropropane	SW8260B	NA	09/29/14	1	3.3	10	ND		ug/Kg	422576	NA
4-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
2-Chlorotoluene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
tert-Butylbenzene	SW8260B	NA	09/29/14	1	1.4	10	ND		ug/Kg	422576	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/29/14	1	1.1	10	ND		ug/Kg	422576	NA
sec-Butyl Benzene	SW8260B	NA	09/29/14	1	1.6	10	ND		ug/Kg	422576	NA
p-Isopropyltoluene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
1,3-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.8	10	ND		ug/Kg	422576	NA
1,4-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.5	10	ND		ug/Kg	422576	NA
n-Butylbenzene	SW8260B	NA	09/29/14	1	2.2	10	ND		ug/Kg	422576	NA
1,2-Dichlorobenzene	SW8260B	NA	09/29/14	1	1.3	10	ND		ug/Kg	422576	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/29/14	1	4.2	10	ND		ug/Kg	422576	NA
Hexachlorobutadiene	SW8260B	NA	09/29/14	1	2.6	10	ND		ug/Kg	422576	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.1	10	ND		ug/Kg	422576	NA
Naphthalene	SW8260B	NA	09/29/14	1	2.8	10	ND		ug/Kg	422576	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1A-1.5-2.0	**Lab Sample ID:**	1409108-003A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:15		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/29/14	1	2.9	10	ND		ug/Kg	422576	NA
(S) Dibromofluoromethane	SW8260B	NA	09/29/14	1	59.8	148	95.0		%	422576	NA
(S) Toluene-d8	SW8260B	NA	09/29/14	1	55.2	133	77.8		%	422576	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/29/14	1	55.8	141	86.7		%	422576	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/29/14	09/29/14	1	30	100	ND		ug/Kg	422576	12804
(S) 4-Bromofluorobenzene	8260TPH	9/29/14	09/29/14	1	43.9	127	65.7		%	422576	12804

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	2.3	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	71.5		%	422531	12774

NOTE: x- Diesel result due to unknown organics within quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1B-0.0-0.5	**Lab Sample ID:**	1409108-004A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	3.2		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	88		mg/Kg	422527	12780

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1B-1.0-1.5	**Lab Sample ID:**	1409108-005A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:23		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	29		mg/Kg	422527	12780

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1B-1.5-2.0	**Lab Sample ID:**	1409108-006A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:27		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	7.8		mg/Kg	422527	12780

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-0.0-0.5	**Lab Sample ID:**	1409108-007A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:32		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	2.92		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	10/3/14	10/05/14	1	0.0500	0.10	3.9		mg/L	422677	12855

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	74		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	4.5	x	mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	74		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	72.4		%	422531	12774

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.0-1.5	**Lab Sample ID:**	1409108-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:36		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	16.9		%	422568	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	9/24/14	09/25/14	1	0.13	1.0	5.8		mg/Kg	422527	12780

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/30/14	1	4.4	10	ND		ug/Kg	422597	NA
Chloromethane	SW8260B	NA	09/30/14	1	4.6	10	ND		ug/Kg	422597	NA
Vinyl Chloride	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
Bromomethane	SW8260B	NA	09/30/14	1	4.7	10	ND		ug/Kg	422597	NA
Trichlorofluoromethane	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
1,1-Dichloroethene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
Freon 113	SW8260B	NA	09/30/14	1	3.7	10	ND		ug/Kg	422597	NA
Methylene Chloride	SW8260B	NA	09/30/14	1	2.0	50	ND		ug/Kg	422597	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
MTBE	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
tert-Butanol	SW8260B	NA	09/30/14	1	21	50	ND		ug/Kg	422597	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,1-Dichloroethane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
ETBE	SW8260B	NA	09/30/14	1	2.4	10	ND		ug/Kg	422597	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
2,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Bromochloromethane	SW8260B	NA	09/30/14	1	2.3	10	ND		ug/Kg	422597	NA
Chloroform	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Carbon Tetrachloride	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
1,1,1-Trichloroethane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Benzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
TAME	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dichloroethane	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Trichloroethylene	SW8260B	NA	09/30/14	1	3.9	10	ND		ug/Kg	422597	NA
Dibromomethane	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.0-1.5	**Lab Sample ID:**	1409108-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:36		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Bromodichloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Toluene	SW8260B	NA	09/30/14	1	0.98	10	ND		ug/Kg	422597	NA
Tetrachloroethylene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2-Trichloroethane	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
Dibromochloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,3-Dichloropropane	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dibromoethane	SW8260B	NA	09/30/14	1	1.7	10	ND		ug/Kg	422597	NA
Ethyl Benzene	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
Chlorobenzene	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
m,p-Xylene	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
o-Xylene	SW8260B	NA	09/30/14	1	0.66	5.0	ND		ug/Kg	422597	NA
Styrene	SW8260B	NA	09/30/14	1	0.77	10	ND		ug/Kg	422597	NA
Bromoform	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Isopropyl Benzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
n-Propylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Bromobenzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	3.0	10	ND		ug/Kg	422597	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,2,3-Trichloropropane	SW8260B	NA	09/30/14	1	3.3	10	ND		ug/Kg	422597	NA
4-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
2-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
tert-Butylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
sec-Butyl Benzene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
p-Isopropyltoluene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
1,3-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
1,4-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
n-Butylbenzene	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
Hexachlorobutadiene	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
Naphthalene	SW8260B	NA	09/30/14	1	2.8	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.0-1.5	**Lab Sample ID:**	1409108-008A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:36		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2,3-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
(S) Dibromofluoromethane	SW8260B	NA	09/30/14	1	59.8	148	88.2		%	422597	NA
(S) Toluene-d8	SW8260B	NA	09/30/14	1	55.2	133	84.2		%	422597	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/30/14	1	55.8	141	88.5		%	422597	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/30/14	09/30/14	1	30	100	ND		ug/Kg	422597	12816
(S) 4-Bromofluorobenzene	8260TPH	9/30/14	09/30/14	1	43.9	127	74.4		%	422597	12816

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	9/24/14	09/24/14	1	0.66	2.0	ND		mg/Kg	422531	12774
TPH as Motor Oil (SG)	SW8015B(M)	9/24/14	09/24/14	1	1.0	10	ND		mg/Kg	422531	12774
Pentacosane (S)	SW8015B(M)	9/24/14	09/24/14	1	49.9	144	53.1		%	422531	12774

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.5-2.0	**Lab Sample ID:**	1409108-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	17.0		%	422569	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.5		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	170		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	41		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	9.5		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	18		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	7.7		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	43		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	38		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	41		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.5-2.0	**Lab Sample ID:**	1409108-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/30/14	1	4.4	10	ND		ug/Kg	422597	NA
Chloromethane	SW8260B	NA	09/30/14	1	4.6	10	ND		ug/Kg	422597	NA
Vinyl Chloride	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
Bromomethane	SW8260B	NA	09/30/14	1	4.7	10	ND		ug/Kg	422597	NA
Trichlorofluoromethane	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
1,1-Dichloroethene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
Freon 113	SW8260B	NA	09/30/14	1	3.7	10	ND		ug/Kg	422597	NA
Methylene Chloride	SW8260B	NA	09/30/14	1	2.0	50	ND		ug/Kg	422597	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
MTBE	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
tert-Butanol	SW8260B	NA	09/30/14	1	21	50	ND		ug/Kg	422597	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,1-Dichloroethane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
ETBE	SW8260B	NA	09/30/14	1	2.4	10	ND		ug/Kg	422597	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
2,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Bromochloromethane	SW8260B	NA	09/30/14	1	2.3	10	ND		ug/Kg	422597	NA
Chloroform	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Carbon Tetrachloride	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
1,1,1-Trichloroethane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Benzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
TAME	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dichloroethane	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Trichloroethylene	SW8260B	NA	09/30/14	1	3.9	10	ND		ug/Kg	422597	NA
Dibromomethane	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
Bromodichloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Toluene	SW8260B	NA	09/30/14	1	0.98	10	ND		ug/Kg	422597	NA
Tetrachloroethylene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2-Trichloroethane	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
Dibromochloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,3-Dichloropropane	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dibromoethane	SW8260B	NA	09/30/14	1	1.7	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.5-2.0	**Lab Sample ID:**	1409108-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
Chlorobenzene	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
m,p-Xylene	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
o-Xylene	SW8260B	NA	09/30/14	1	0.66	5.0	ND		ug/Kg	422597	NA
Styrene	SW8260B	NA	09/30/14	1	0.77	10	ND		ug/Kg	422597	NA
Bromoform	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Isopropyl Benzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
n-Propylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Bromobenzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	3.0	10	ND		ug/Kg	422597	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,2,3-Trichloropropane	SW8260B	NA	09/30/14	1	3.3	10	ND		ug/Kg	422597	NA
4-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
2-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
tert-Butylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
sec-Butyl Benzene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
p-Isopropyltoluene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
1,3-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
1,4-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
n-Butylbenzene	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
Hexachlorobutadiene	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
Naphthalene	SW8260B	NA	09/30/14	1	2.8	10	ND		ug/Kg	422597	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
(S) Dibromofluoromethane	SW8260B	NA	09/30/14	1	59.8	148	92.1		%	422597	NA
(S) Toluene-d8	SW8260B	NA	09/30/14	1	55.2	133	83.8		%	422597	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/30/14	1	55.8	141	88.4		%	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	MVP1-1C-1.5-2.0	**Lab Sample ID:**	1409108-009A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 / 13:40		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/30/14	09/30/14	1	30	100	ND		ug/Kg	422597	12816
(S) 4-Bromofluorobenzene	8260TPH	9/30/14	09/30/14	1	43.9	127	71.0		%	422597	12816

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.24		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	FD-2	**Lab Sample ID:**	1409108-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Percent Moisture	D2216	NA	09/25/14	1	0.100	0.100	18.2		%	422569	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	9/24/14	09/25/14	1	0.0550	1.0	ND		mg/Kg	422543	12782
Antimony	SW6010B	9/24/14	09/25/14	1	0.20	5.0	ND		mg/Kg	422529	12782
Arsenic	SW6010B	9/24/14	09/25/14	1	0.25	1.7	3.7		mg/Kg	422529	12782
Barium	SW6010B	9/24/14	09/25/14	1	0.07	5.0	160		mg/Kg	422529	12782
Beryllium	SW6010B	9/24/14	09/25/14	1	0.0800	2.0	ND		mg/Kg	422529	12782
Chromium	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	40		mg/Kg	422529	12782
Cobalt	SW6010B	9/24/14	09/25/14	1	0.055	5.0	8.9		mg/Kg	422529	12782
Copper	SW6010B	9/24/14	09/25/14	1	0.650	5.0	17		mg/Kg	422529	12782
Lead	SW6010B	9/24/14	09/25/14	1	0.14	1.0	7.2		mg/Kg	422529	12782
Molybdenum	SW6010B	9/24/14	09/25/14	1	0.120	5.0	ND		mg/Kg	422529	12782
Nickel	SW6010B	9/24/14	09/25/14	1	0.0500	5.0	41		mg/Kg	422529	12782
Selenium	SW6010B	9/24/14	09/25/14	1	0.42	5.0	ND		mg/Kg	422529	12782
Silver	SW6010B	9/24/14	09/25/14	1	0.37	1.0	ND		mg/Kg	422529	12782
Thallium	SW6010B	9/24/14	09/25/14	1	0.49	7.5	ND		mg/Kg	422529	12782
Vanadium	SW6010B	9/24/14	09/25/14	1	0.18	5.0	36		mg/Kg	422529	12782
Zinc	SW6010B	9/24/14	09/25/14	1	0.25	5.0	39		mg/Kg	422529	12782

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	9/24/14	09/25/14	1	0.2	0.50	ND		mg/Kg	422526	12779

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	FD-2	**Lab Sample ID:**	1409108-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/30/14	1	4.4	10	ND		ug/Kg	422597	NA
Chloromethane	SW8260B	NA	09/30/14	1	4.6	10	ND		ug/Kg	422597	NA
Vinyl Chloride	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
Bromomethane	SW8260B	NA	09/30/14	1	4.7	10	ND		ug/Kg	422597	NA
Trichlorofluoromethane	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
1,1-Dichloroethene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
Freon 113	SW8260B	NA	09/30/14	1	3.7	10	ND		ug/Kg	422597	NA
Methylene Chloride	SW8260B	NA	09/30/14	1	2.0	50	ND		ug/Kg	422597	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
MTBE	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
tert-Butanol	SW8260B	NA	09/30/14	1	21	50	ND		ug/Kg	422597	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,1-Dichloroethane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
ETBE	SW8260B	NA	09/30/14	1	2.4	10	ND		ug/Kg	422597	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
2,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Bromochloromethane	SW8260B	NA	09/30/14	1	2.3	10	ND		ug/Kg	422597	NA
Chloroform	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
Carbon Tetrachloride	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
1,1,1-Trichloroethane	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Benzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
TAME	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dichloroethane	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Trichloroethylene	SW8260B	NA	09/30/14	1	3.9	10	ND		ug/Kg	422597	NA
Dibromomethane	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichloropropane	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
Bromodichloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Toluene	SW8260B	NA	09/30/14	1	0.98	10	ND		ug/Kg	422597	NA
Tetrachloroethylene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2-Trichloroethane	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
Dibromochloromethane	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,3-Dichloropropane	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
1,2-Dibromoethane	SW8260B	NA	09/30/14	1	1.7	10	ND		ug/Kg	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	FD-2	**Lab Sample ID:**	1409108-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
Chlorobenzene	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	0.86	10	ND		ug/Kg	422597	NA
m,p-Xylene	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
o-Xylene	SW8260B	NA	09/30/14	1	0.66	5.0	ND		ug/Kg	422597	NA
Styrene	SW8260B	NA	09/30/14	1	0.77	10	ND		ug/Kg	422597	NA
Bromoform	SW8260B	NA	09/30/14	1	1.9	10	ND		ug/Kg	422597	NA
Isopropyl Benzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
n-Propylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
Bromobenzene	SW8260B	NA	09/30/14	1	1.2	10	ND		ug/Kg	422597	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/30/14	1	3.0	10	ND		ug/Kg	422597	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
1,2,3-Trichloropropane	SW8260B	NA	09/30/14	1	3.3	10	ND		ug/Kg	422597	NA
4-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
2-Chlorotoluene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
tert-Butylbenzene	SW8260B	NA	09/30/14	1	1.4	10	ND		ug/Kg	422597	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/30/14	1	1.1	10	ND		ug/Kg	422597	NA
sec-Butyl Benzene	SW8260B	NA	09/30/14	1	1.6	10	ND		ug/Kg	422597	NA
p-Isopropyltoluene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
1,3-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.8	10	ND		ug/Kg	422597	NA
1,4-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.5	10	ND		ug/Kg	422597	NA
n-Butylbenzene	SW8260B	NA	09/30/14	1	2.2	10	ND		ug/Kg	422597	NA
1,2-Dichlorobenzene	SW8260B	NA	09/30/14	1	1.3	10	ND		ug/Kg	422597	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/30/14	1	4.2	10	ND		ug/Kg	422597	NA
Hexachlorobutadiene	SW8260B	NA	09/30/14	1	2.6	10	ND		ug/Kg	422597	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.1	10	ND		ug/Kg	422597	NA
Naphthalene	SW8260B	NA	09/30/14	1	2.8	10	ND		ug/Kg	422597	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/30/14	1	2.9	10	ND		ug/Kg	422597	NA
(S) Dibromofluoromethane	SW8260B	NA	09/30/14	1	59.8	148	92.4		%	422597	NA
(S) Toluene-d8	SW8260B	NA	09/30/14	1	55.2	133	83.0		%	422597	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/30/14	1	55.8	141	89.6		%	422597	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	FD-2	**Lab Sample ID:**	1409108-010A
Project Name/Location:	I-680	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	09/23/14 /		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	9/30/14	09/30/14	1	30	100	ND		ug/Kg	422597	12816
(S) 4-Bromofluorobenzene	8260TPH	9/30/14	09/30/14	1	43.9	127	66.1		%	422597	12816

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	09/25/14	1	0.10	2.0	6.26		S.U.	422560	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	Trip Blank	**Lab Sample ID:**	1409108-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	09/16/14 / 14:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
Chloromethane	SW8260B	NA	09/24/14	1	0.16	0.50	ND		ug/L	422528	NA
Vinyl Chloride	SW8260B	NA	09/24/14	1	0.16	0.50	ND		ug/L	422528	NA
Bromomethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
Trichlorofluoromethane	SW8260B	NA	09/24/14	1	0.18	0.50	ND		ug/L	422528	NA
1,1-Dichloroethene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Freon 113	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
Methylene Chloride	SW8260B	NA	09/24/14	1	0.23	5.0	ND		ug/L	422528	NA
trans-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
MTBE	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
tert-Butanol	SW8260B	NA	09/24/14	1	1.5	5.0	ND		ug/L	422528	NA
Diisopropyl ether (DIPE)	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
1,1-Dichloroethane	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
ETBE	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
cis-1,2-Dichloroethene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
2,2-Dichloropropane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Bromochloromethane	SW8260B	NA	09/24/14	1	0.20	0.50	ND		ug/L	422528	NA
Chloroform	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
Carbon Tetrachloride	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,1-Trichloroethane	SW8260B	NA	09/24/14	1	0.097	0.50	ND		ug/L	422528	NA
1,1-Dichloropropene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Benzene	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
TAME	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
1,2-Dichloroethane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Trichloroethylene	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
Dibromomethane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,2-Dichloropropane	SW8260B	NA	09/24/14	1	0.17	0.50	ND		ug/L	422528	NA
Bromodichloromethane	SW8260B	NA	09/24/14	1	0.13	0.50	ND		ug/L	422528	NA
cis-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
Toluene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Tetrachloroethylene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
trans-1,3-Dichloropropene	SW8260B	NA	09/24/14	1	0.23	0.50	ND		ug/L	422528	NA
1,1,2-Trichloroethane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Dibromochloromethane	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
1,3-Dichloropropane	SW8260B	NA	09/24/14	1	0.10	0.50	ND		ug/L	422528	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	Trip Blank	**Lab Sample ID:**	1409108-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	09/16/14 / 14:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
Chlorobenzene	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
Ethyl Benzene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.096	0.50	ND		ug/L	422528	NA
m,p-Xylene	SW8260B	NA	09/24/14	1	0.13	1.0	ND		ug/L	422528	NA
o-Xylene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Styrene	SW8260B	NA	09/24/14	1	0.21	0.50	ND		ug/L	422528	NA
Bromoform	SW8260B	NA	09/24/14	1	0.21	1.0	ND		ug/L	422528	NA
Isopropyl Benzene	SW8260B	NA	09/24/14	1	0.097	0.50	ND		ug/L	422528	NA
Bromobenzene	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	09/24/14	1	0.11	0.50	ND		ug/L	422528	NA
n-Propylbenzene	SW8260B	NA	09/24/14	1	0.078	0.50	ND		ug/L	422528	NA
2-Chlorotoluene	SW8260B	NA	09/24/14	1	0.076	0.50	ND		ug/L	422528	NA
1,3,5-Trimethylbenzene	SW8260B	NA	09/24/14	1	0.074	0.50	ND		ug/L	422528	NA
4-Chlorotoluene	SW8260B	NA	09/24/14	1	0.088	0.50	ND		ug/L	422528	NA
tert-Butylbenzene	SW8260B	NA	09/24/14	1	0.081	0.50	ND		ug/L	422528	NA
1,2,3-Trichloropropane	SW8260B	NA	09/24/14	1	0.14	0.50	ND		ug/L	422528	NA
1,2,4-Trimethylbenzene	SW8260B	NA	09/24/14	1	0.083	0.50	ND		ug/L	422528	NA
sec-Butyl Benzene	SW8260B	NA	09/24/14	1	0.092	0.50	ND		ug/L	422528	NA
p-Isopropyltoluene	SW8260B	NA	09/24/14	1	0.093	0.50	ND		ug/L	422528	NA
1,3-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.10	0.50	ND		ug/L	422528	NA
1,4-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.069	0.50	ND		ug/L	422528	NA
n-Butylbenzene	SW8260B	NA	09/24/14	1	0.081	0.50	ND		ug/L	422528	NA
1,2-Dichlorobenzene	SW8260B	NA	09/24/14	1	0.057	0.50	ND		ug/L	422528	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	09/24/14	1	0.15	0.50	ND		ug/L	422528	NA
Hexachlorobutadiene	SW8260B	NA	09/24/14	1	0.19	0.50	ND		ug/L	422528	NA
1,2,4-Trichlorobenzene	SW8260B	NA	09/24/14	1	0.12	0.50	ND		ug/L	422528	NA
Naphthalene	SW8260B	NA	09/24/14	1	0.14	1.0	ND		ug/L	422528	NA
1,2,3-Trichlorobenzene	SW8260B	NA	09/24/14	1	0.23	0.50	ND		ug/L	422528	NA
(S) Dibromofluoromethane	SW8260B	NA	09/24/14	1	61.2	131	97.6		%	422528	NA
(S) Toluene-d8	SW8260B	NA	09/24/14	1	75.1	127	88.3		%	422528	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	09/24/14	1	64.1	120	84.0		%	422528	NA

SAMPLE RESULTS

Report prepared for: Joe Morgan
URS (Oakland)

Date Received: 09/23/14
Date Reported: 10/06/14

Client Sample ID:	Trip Blank	**Lab Sample ID:**	1409108-011A
Project Name/Location:	I-680	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	09/16/14 / 14:20		
Tag Number:	I-680		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	9/24/14	09/24/14	1	31	50	ND		ug/L	422528	12781
(S) 4-Bromofluorobenzene	8260TPH	9/24/14	09/24/14	1	41.5	125	92.4		%	422528	12781

MB Summary Report

Work Order:	1409108	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	2.3	
Pentacosane (S)			80.4	

Work Order:	1409108	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1409108	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12780
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422527
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.14	1.0	0.20	

Work Order:	1409108	**Prep Method:**	5030	**Prep Date:**	09/24/14	**Prep Batch:**	12781
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	ND	
(S) 4-Bromofluorobenzene			94.5	

MB Summary Report

Work Order:	1409108	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.60	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.17	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.50	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.18	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	0.19	
Zinc	0.25	5.0	0.31	

Work Order:	1409108	**Prep Method:**	5035	**Prep Date:**	09/29/14	**Prep Batch:**	12804
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	60	
(S) 4-Bromofluorobenzene			65.0	

Work Order:	1409108	**Prep Method:**	5035	**Prep Date:**	09/30/14	**Prep Batch:**	12816
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	40	
(S) 4-Bromofluorobenzene			89.1	

MB Summary Report

Work Order:	1409108	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.18	0.50	ND	
Chloromethane	0.16	0.50	ND	
Vinyl Chloride	0.16	0.50	ND	
Bromomethane	0.18	0.50	ND	
Trichlorofluoromethane	0.18	0.50	ND	
1,1-Dichloroethene	0.15	0.50	ND	
Freon 113	0.19	0.50	ND	
Methylene Chloride	0.23	5.0	ND	
trans-1,2-Dichloroethene	0.19	0.50	ND	
MTBE	0.17	0.50	ND	
tert-Butanol	1.5	5.0	4.0	
Diisopropyl ether (DIPE)	0.13	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.17	0.50	ND	
cis-1,2-Dichloroethene	0.19	0.50	ND	
2,2-Dichloropropane	0.15	0.50	ND	
Bromochloromethane	0.20	0.50	ND	
Chloroform	0.13	0.50	ND	
Carbon Tetrachloride	0.15	0.50	ND	
1,1,1-Trichloroethane	0.097	0.50	ND	
1,1-Dichloropropene	0.15	0.50	ND	
Benzene	0.13	0.50	ND	
TAME	0.17	0.50	ND	
1,2-Dichloroethane	0.14	0.50	ND	
Trichloroethylene	0.13	0.50	ND	
Dibromomethane	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.13	0.50	ND	
cis-1,3-Dichloropropene	0.096	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.14	0.50	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
1,1,2-Trichloroethane	0.14	0.50	ND	
Dibromochloromethane	0.096	0.50	ND	
1,3-Dichloropropane	0.10	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.096	0.50	ND	
m,p-Xylene	0.13	1.0	ND	
o-Xylene	0.15	0.50	ND	

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.21	0.50	ND	
Bromoform	0.21	1.0	ND	
Isopropyl Benzene	0.097	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.11	0.50	ND	
n-Propylbenzene	0.078	0.50	ND	
2-Chlorotoluene	0.076	0.50	ND	
1,3,5,-Trimethylbenzene	0.074	0.50	ND	
4-Chlorotoluene	0.088	0.50	ND	
tert-Butylbenzene	0.081	0.50	ND	
1,2,3-Trichloropropane	0.14	0.50	ND	
1,2,4-Trimethylbenzene	0.083	0.50	ND	
sec-Butyl Benzene	0.092	0.50	ND	
p-Isopropyltoluene	0.093	0.50	ND	
1,3-Dichlorobenzene	0.10	0.50	0.10	
1,4-Dichlorobenzene	0.069	0.50	0.12	
n-Butylbenzene	0.081	0.50	0.090	
1,2-Dichlorobenzene	0.057	0.50	0.10	
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND	
Hexachlorobutadiene	0.19	0.50	0.25	
1,2,4-Trichlorobenzene	0.12	0.50	0.28	
Naphthalene	0.14	1.0	0.28	
1,2,3-Trichlorobenzene	0.23	0.50	0.33	
(S) Dibromofluoromethane			95.4	
(S) Toluene-d8			86.9	
(S) 4-Bromofluorobenzene			86.9	
Ethanol	0.21	0.50	ND	TIC

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	18	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			87.3	
(S) Toluene-d8			81.1	
(S) 4-Bromofluorobenzene			79.9	

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

MB Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.77	10	ND	
Bromoform	1.9	10	ND	
Isopropyl Benzene	1.2	10	ND	
n-Propylbenzene	1.4	10	ND	
Bromobenzene	1.2	10	ND	
1,1,2,2-Tetrachloroethane	3.0	10	ND	
1,3,5-Trimethylbenzene	1.1	10	ND	
1,2,3-Trichloropropane	3.3	10	ND	
4-Chlorotoluene	1.6	10	ND	
2-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.4	10	ND	
1,2,4-Trimethylbenzene	1.1	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.8	10	ND	
1,4-Dichlorobenzene	1.5	10	ND	
n-Butylbenzene	2.2	10	ND	
1,2-Dichlorobenzene	1.3	10	ND	
1,2-Dibromo-3-Chloropropane	4.2	10	ND	
Hexachlorobutadiene	2.6	10	ND	
1,2,4-Trichlorobenzene	2.1	10	ND	
Naphthalene	2.8	10	ND	
1,2,3-Trichlorobenzene	2.9	10	ND	
Ethanol	5.0	20	ND	TIC
(S) Dibromofluoromethane			83.7	
(S) Toluene-d8			82.2	
(S) 4-Bromofluorobenzene			82.4	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409108	**Prep Method:**	3546_TPHSG	**Prep Date:**	09/24/14	**Prep Batch:**	12774
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422531
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	68.3	64.5	5.75	50.8 - 111	30	
Pentacosane (S)			2.3	100	92.5	75.8		49.9 - 144		

Work Order:	1409108	**Prep Method:**	7471	**Prep Date:**	09/24/14	**Prep Batch:**	12779
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422526
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	104	107	3.28	80.5 - 133	30	

Work Order:	1409108	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12780
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422527
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.20	50	96.3	97.0	0.693	67.9 - 118	30	

Work Order:	1409108	**Prep Method:**	5030	**Prep Date:**	09/24/14	**Prep Batch:**	12781
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	ND	238.1	91.6	88.7	3.21	52.4 - 127	30	
(S) 4-Bromofluorobenzene			94.5	11.9	94.5	93.0		41.5 - 125		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409108	**Prep Method:**	3050	**Prep Date:**	09/24/14	**Prep Batch:**	12782
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422529
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.5	97.1	1.61	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	93.4	94.8	1.46	71 - 121	30	
Barium	0.07	5.0	0.60	50	101	102	1.28	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.4	104	4.64	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	98.3	99.7	1.42	68.7 - 110	30	
Chromium	0.050	5.0	0.17	50	97.5	99.6	2.15	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.4	99.9	0.542	57.4 - 122	30	
Copper	0.65	5.0	ND	50	100	102	2.37	74.8 - 119	30	
Lead	0.14	1.0	0.50	50	95.8	97.4	1.66	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.4	99.8	2.40	62.9 - 123	30	
Nickel	0.050	5.0	0.18	50	97.9	99.5	1.65	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	90.9	92.8	2.08	62 - 111	30	
Silver	0.37	1.0	ND	50	95.6	97.6	2.06	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.6	96.5	1.97	39.2 - 125	30	
Vanadium	0.18	5.0	0.19	50	100	103	2.76	65.8 - 122	30	
Zinc	0.25	5.0	0.31	50	96.8	98.0	1.25	59.9 - 122	30	

Work Order:	1409108	**Prep Method:**	5035	**Prep Date:**	09/29/14	**Prep Batch:**	12804
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	60	1000	103	110	6.80	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			65.0	50	83.6	95.4		43.9 - 127		

Work Order:	1409108	**Prep Method:**	5035	**Prep Date:**	09/30/14	**Prep Batch:**	12816
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	40	1000	100	103	2.85	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			89.1	50	89.9	108		43.9 - 127		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409108	**Prep Method:**	WET/3010B	**Prep Date:**	10/03/14	**Prep Batch:**	12855
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	10/05/14	**Analytical Batch:**	422677
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	ND	10	85.4	86.2	0.932	80 - 120	20	

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/24/14	**Analytical Batch:**	422528
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	80.5	81.4	0.899	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	85.3	85.9	0.982	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	85.6	87.4	2.01	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	83.7	86.1	3.17	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	85.1	86.6	1.76	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.9	89.6	88.6		61.2 - 131		
(S) Toluene-d8			ND	11.9	87.5	89.2		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.9	80.8	84.3		64.1 - 120		

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/29/14	**Analytical Batch:**	422576
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	82.8	80.6	2.74	53.7 - 139	30	
Benzene	1.5	10	ND	50	87.5	86.4	1.41	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	80.5	81.0	0.697	57.5 - 150	30	
Toluene	0.98	10	ND	50	79.5	79.1	0.414	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	80.4	82.2	2.21	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	87.0	87.5		59.8 - 148		
(S) Toluene-d8			ND	50	78.1	77.7		55.2 - 133		
(S) 4-Bromofluorobenzene			18	50	78.9	77.0		55.8 - 141		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	09/30/14	**Analytical Batch:**	422597
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	83.9	75.6	10.6	53.7 - 139	30	
Benzene	1.5	10	ND	50	91.5	86.2	5.84	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	92.2	87.5	5.22	57.5 - 150	30	
Toluene	0.98	10	ND	50	95.0	89.9	5.51	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	95.7	91.2	4.88	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	79.4	79.8		59.8 - 148		
(S) Toluene-d8			ND	50	81.3	81.9		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	81.7	76.6		55.8 - 141		

Duplicate QC Summary Report

Work Order:	1409108	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	09/25/14	**Analytical Batch:**	422560
Units:						**Lab Sample ID:**	1409108-010A-Dup

Parameters	**MDL**	**PQL**	**Sample Result**	**Duplicate Result**	**% RPD**
pH	0.100	2.00	6.26	6.33	1.11

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: URS (Oakland)

Project Name: I-680

Work Order No.: 1409108

Date and Time Received: 9/23/2014 16:10

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

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Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	16:10

Comments:

Work Order # : ***1409108***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409108-001A	MVP1-1A-0.0-0.5	09/23/14 13:05	Soil	03/22/15			S_7471BHG S_6010BCAM17 S_pH9045C S_TPHDOSG Percent Moisture	
1409108-002A	MVP1-1A-1.0-1.5	09/23/14 13:11	Soil	03/22/15			S_6010BAs/Pb Percent Moisture S_8260Full S_GCMS-GRO	
Sample Note:	As/Pb 6010 all for Pb							
1409108-003A	MVP1-1A-1.5-2.0	09/23/14 13:15	Soil	03/22/15			S_6010BAs/Pb S_TPHDOSG S_8260Full S_GCMS-GRO Percent Moisture	
1409108-004A	MVP1-1B-0.0-0.5	09/23/14 13:20	Soil	03/22/15			S_6010BAs/Pb S_6010B(STLC)	
1409108-005A	MVP1-1B-1.0-1.5	09/23/14 13:23	Soil	03/22/15			S_6010BAs/Pb	
1409108-006A	MVP1-1B-1.5-2.0	09/23/14 13:27	Soil	03/22/15			S_6010BAs/Pb	
1409108-007A	MVP1-1C-0.0-0.5	09/23/14 13:32	Soil	03/22/15			S_6010BAs/Pb S_TPHDOSG Percent Moisture S_6010B(STLC)	
1409108-008A	MVP1-1C-1.0-1.5	09/23/14 13:36	Soil	03/22/15			S_6010BAs/Pb Percent Moisture S_8260Full S_TPHDOSG S_GCMS-GRO	

Login Summary Report

Client ID:	TL5377	URS (Oakland)	**QC Level:**	
Project Name:	I-680		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	9/23/2014
Report Due Date:	10/6/2014		**Time Received:**	16:10

Comments:

Work Order # : ***1409108***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1409108-009A	MVP1-1C-1.5-2.0	09/23/14 13:40	Soil	03/22/15			S_7471BHG S_pH9045C Percent Moisture S_GCMS-GRO S_8260Full S_6010BCAM17	
1409108-010A	FD-2	09/23/14	Soil	03/22/15			S_7471BHG S_6010BCAM17 S_GCMS-GRO S_8260Full S_pH9045C Percent Moisture	
1409108-011A	Trip Blank	09/16/14 14:20	Water	03/22/15			W_8260Full W_GCMS-GRO	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1409108

Company Name: URS Corporation
☒ Env. ☐ IH ☐ Food ☐ Special
Project Name/#: I-680
Address: 1333 Broadway
Purpose:
City: Oakland State: CA Zip Code: 94612
Special Instructions / Comments: Six-Site Soil Cleanup
Telephone: (510) 874-3201 Cell:
REPORT TO: Joe Morgan SAMPLER: Erik Skov
P.O. #: EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/VOCs	TPH-d/MO w/sgc	pH	Moisture			REMARKS
		MVP2-2B-0.0-0.5	9/23/14 12:34	Soil	1	GJ	X								
		MVP2-2B-1.0-1.5	9/23/14 12:37	Soil	1	GJ	X								
		MVP2-2B-1.5-2.0	9/23/14 12:40	Soil	1	GJ	X								
		MVP2-2A-0.0-0.5	9/23/14 12:43	Soil	1	GJ		X		X	X	X			
		MVP2-2A-1.0-1.5	9/23/14 12:46	Soil	1	GJ	X		X			X			
		MVP2-2A-1.5-2.0	9/23/14 12:50	Soil	1	GJ	X		X	X		X			
001A		MVP1-1A-0.0-0.5	9/23/14 13:05	Soil	1	GJ		X		X	X	X			
002A		MVP1-1A-1.0-1.5	9/23/14 13:11	Soil	1	GJ	X		X			X			
003A		MVP1-1A-1.5-2.0	9/23/14 13:15	Soil	1	GJ	X		X	X		X			
004A		MVP1-1B-0.0-0.5	9/23/14 13:20	Soil	1	GJ	X								

	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1 Relinquished By:	Erik Skov	09/23/14	15:18	H. Baker	D. Baker	9/23/14	15:18
2 Relinquished By: FCS Courier		9/23/14	16:10		NAVIN G	9/23/14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Date: Labeled By: Date: Log In Reviewed By: Date:

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

5 of 5

LAB WORK ORDER NO

Company Name: URS Corporation ☒ Env. ☐ IH ☐ Food ☐ Special | Project Name/#: I-680

Address: 1333 Broadway, Suite 800 | Purpose:

City: Oakland | State: CA | Zip Code: 94612 | Special Instructions / Comments: *SGC = Silica Gel Cleanup

Telephone: (510) 874-3201 | Cell:

REPORT TO: Joe Morgan | SAMPLER: Erik Skov | P.O. #: | EMAIL: Joe.Morgan@urs.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☒ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Wipe ☐ Ground Water ☐ Other ☒ Soil

REPORT FORMAT: ☐ Excel/ EDD ☐ EDF ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Lead	CAM 17 Metals	TPH-g/Vocs	TPH-d/mo w/SGC*	pH	Moisture				REMARKS
005A		MVPI-1B-1.0-1.5	9/23/14 13:23	Soil	1	GJ	X									
006A		MVPI-1B-1.5-2.0	9/23/14 13:27	Soil	1	GJ	X									
007A		MVPI-1C-0.0-0.5	9/23/14 13:32	Soil	1	GJ	X			X		X				
008A		MVPI-1C-1.0-1.5	9/23/14 13:36	Soil	1	GJ	X		X	X		X				
009A		MVPI-1C-1.5-2.0	9/23/14 13:40	Soil	1	GJ		X	X		X	X				
010A		FD-2	9/23/14	Soil	1	GJ		X	X		X	X				
011A		Trip Blank	9/16/14 14:20	Water	2	40ml VOA			X							

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Erik Skov	Erik Skov	9/23/14	15:18	D. Baker	D. Baker	9/23/14	15:18
2	FCS Courier		9/23/14	16:10	[illegible]	NAVIN G	9/23/14	16:10

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page ____ of ____

Log In By: REC'VD LI LBL'D LIR Date: ____ Labeled By: ____ Date: ____ Log In Reviewed By: ____ Date: ____ Rev 2.

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1409108 **Serial #:** CO14-0296 **Print Date:** 10/1/2014

Project Name: I-680

Client: URS (Oakland) **Requested By:** Suzanne Nase

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Pb for samples 004, 007; 1 day Rush due 10/6	10/1/2014	3:00:00PM	

Page 1 of 1

483 Sinclair Frontage Rd., Milpitas, CA 95035 | *tel:* 408.263.5258 | *fax:* 408.263.8293 | www.torrentlab.com

Appendix D

Caltrans' Lead Compliance Plan and Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead (14-11.03)

February 6, 2014

GUIDANCE FOR SSP 14-11.03 – MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALLY DEPOSITED LEAD

BACKGROUND

Aerially Deposited Lead (ADL) is found along the unpaved areas adjacent to many highways. ADL is the result of tailpipe emissions during the years that lead was used as an additive in gasoline. It is Caltrans policy to evaluate and investigate these unpaved areas when they will be impacted by a project, to ensure that workers are properly protected from lead exposure through training and appropriate work practices, and to manage ADL containing soils in compliance with all applicable laws and regulations while minimizing costs to the project and future State liability.

In many areas of the State there are ADL concentration levels along the highway, that are high enough to cause the soil to be defined as a California hazardous waste. Hazardous waste lead concentrations are:

- total lead greater than 1000 mg/kg or
- soluble lead greater than 5.0 mg/l.

Hazardous waste law requires that this material, once excavated be managed, transported and disposed at a Class I disposal facility as a hazardous waste. However, Caltrans has a variance issued by the Department of Toxic Substances Control that allows reuse of soil containing hazardous waste levels of ADL within projects as long as certain conditions are met and the district has obtained approval from the Regional Water Quality Control Board with jurisdiction. A variance waives certain hazardous waste rules and in the case of the ADL variances, allows the Department to reduce costs and potential liability while still managing these soils in a manner that is protective of public health and the environment. The associated costs and logistics of invoking the Variance or disposing of ADL soil must be considered when planning transportation projects. Confer with your district hazardous waste technical specialist to determine how soil should be managed on a specific project and to assist in the preparation of SSP 14-11.03.

USAGE

Use SSP 14-11.03 if material containing aerially deposited lead at concentrations over hazardous waste thresholds is present and will be stockpiled, transported in the right of way, placed within project limits using the DTSC variance, or disposed of in a landfill.

Use with 16-1.03A_X2.

Use SSP 14-11-04, "Minimal Disturbance of Material Containing Hazardous Waste Concentrations of Aerially Deposited Lead" for projects or areas within a project with lead concentrations over hazardous waste thresholds but with only minor soil disturbance where all disturbed material can remain within the area of disturbance. See the guidance for 14-11.04 for more information about restrictions of use.

Use SSP 7-1.02K(6)(j)(iii) “Earth Material Containing Lead " for projects with lead concentrations below hazardous waste thresholds.

Contact your district hazardous waste technical specialist for assistance regarding management of ADL soil, appropriate editing of 14-11.03 and bid items to use.

BID ITEMS

Use the following bid item with SSP 14-11.03:

070030 - Lead Compliance Plan: This bid item is always used with 14-11.03. The actual text containing the requirements for the lead compliance plan is found in the Standard Specifications in Section 7-1.02K(6)(j)(ii). Note that just one lead compliance plan that addresses all types of lead exposures on the project is to be prepared, so this is paid as a lump sum. This reduces unnecessary costs and duplicative efforts.

Use the following bid items with 14-11.03 as applicable:

190107 Roadway Excavation (Type Y‑1) (Aerially Deposited Lead): This bid item is used when the variance will be invoked for roadway excavation and ADL soil will be placed under clean soil.

190108 Roadway Excavation (Type Y‑2) (Aerially Deposited Lead): This bid item is used when the variance will be invoked for roadway excavation and ADL soil must be placed under pavement.

190105 Roadway Excavation (Type Z‑2) (Aerially Deposited Lead): This bid item is used when ADL soil generated from roadway excavation is a California hazardous waste, cannot be reused on the project and therefore must be shipped to a Class I disposal facility.

190106 Roadway Excavation (Type Z‑3) (Aerially Deposited Lead): This bid item is used when ADL soil generated from roadway excavation is a RCRA hazardous waste and therefore must be disposed at a Class I disposal facility.

192057 Structure Excavation (Type Y‑1) (Aerially Deposited Lead): This bid item is used when the variance will be invoked for structure excavation and ADL soil will be placed under clean soil.

192058 Structure Excavation (Type Y‑2) (Aerially Deposited Lead): This bid item is used when the variance will be invoked for structure excavation and ADL soil must be placed under pavement.

192053 Structure Excavation (Type Z‑2) (Aerially Deposited Lead): This bid item is used when ADL soil generated from structure excavation is a California hazardous waste, cannot be reused on the project and therefore must be shipped to a Class I disposal facility.

192054 Structure Excavation (Type Z‑3) (Aerially Deposited Lead): This bid item is used when ADL soil generated from structure excavation is a RCRA hazardous waste and therefore must be disposed at a Class I disposal facility.

190111 ADL Burial Location Report: This bid item is used whenever the variance is invoked. It provides payment for the required surveying and reporting of the ADL burial areas.

EDITING & PS&E PACKAGE PREPARATION

Paragraph 3

Paragraph 3 informs the Contractor whether the variance is being used on the project or not. If Type Y-1 or Type Y-2 is shown on the plans the Contractor is notified that the variance is being used. Edit to include the location for review of the variance or to explain that it has been included as part of the Material Information Handout. If the variance is not being invoked, delete the 3rd sentence. If the variance is being invoked show Type Y–1, or Y–2, or both on the plans.

Paragraph 8

Paragraph 8 tells the Contractor that ADL concentration data and sample location maps relevant to the project are found in the Information Handout. Provide a summary of the lead information in the Information handout. **ONLY include sample location maps and ADL concentration data relevant to the project in the summary**. **Provide statistical analysis results relevant to the design option chosen only. DO NOT provide the entire report in the Materials Handout because it may be misinterpreted to be part of the contract.** If the report describes a variety of statistical evaluations and soil management options the Contractor may assume that they can use any one of them instead of the approach that you've specified. This potential confusion can cause disputes.

Paragraph 9

Paragraph 9 is used when Type Y–1, material reusable under the DTSC Variance under soil, exists on the project . Insert the width, length, and depth of excavation based on the site investigation report and the decision of the design engineer on use of the material. Delete width, length, and depth of excavation if showing the complete information on the plans and you do not want to also describe it here.

Paragraph 10

Paragraph 10 is used when Type Y-2, material reusable under the DTSC variance under the pavement structure, exists on the project. Insert the width, length, and depth of excavation based on the site investigation report and the decision of the design engineer on use of the material. Delete width, length, and depth of excavation if showing the complete information on the plans and you do not want to also describe it here.

Paragraph 11

Paragraph 11 is used when Type Z-2, waste subject to California hazardous waste regulation that cannot be re-used on Caltrans right of way, exists on the project. Insert the width, length, and depth of excavation based on the site investigation report and the decision of the design engineer on use of the material. Delete width, length, and depth of excavation if showing the complete information on the plans and you do not want to also describe it here.

Paragraph 12

Paragraph 12 is used when Type Z-3, waste subject to federal hazardous waste regulation exists on the project. Type Z-3 is a RCRA waste and there are additional restrictions placed on beyond those for California only hazardous waste. Insert the width, length, and depth of excavation based on the site investigation report and the decision of the design engineer on use of the material. Delete width,

length, and depth of excavation if showing the complete information on the plans and you do not want to also describe it here.

Paragraph 14

Paragraph 14 is optional and the purpose of it is to require perimeter air monitoring. Air monitoring data is collected so that Caltrans can demonstrate that construction activities are not causing elevated levels of lead to extend beyond the project limits. This is generally only needed if there are special community concerns. Use paragraph 14 if excavation of material containing aerially deposited lead borders on land used for schools, daycare centers, hospitals, or areas of special community concern. Consult with district environmental staff to determine if this paragraph is necessary.

Paragraph 15

Paragraph 15 addresses the Excavation and Transportation Plan submittal. For most projects, insert 15 days for Contractor to submit the Excavation and Transportation Plan and 7 days for each subsequent revision. For less complex projects, fast-track schedules, or short construction periods, the time needed for submittal of the Excavation and Transportation Plan may be reduced to 7 days.

Paragraph 16

Paragraph 16 is the outline for the Excavation and Transportation Plan. Not all elements are required for every project so the outline numbers need to be reordered if outline items are deleted.

Paragraph 16 Item 2

Item 2 is included if temporary stockpiling is likely to be needed. If unsure retain this item in the outline.

Paragraph 16 Item 3

Use item 3 if sampling is needed after stockpile removal to demonstrate that all Type Y-1 or Y-2 material has been removed. If stockpiles will be placed in locations that have elevated levels of lead like the stockpiled material, this item does not need to be included.

Paragraph 16 Item 4

Item 4 is the survey methods. This item is used if there is Type Y-1 and/or Y-2 material on the project. Edit Type Y-1 or Y-2 to match par. 25 or 26, whichever is used.

Paragraph 16 Item 5

Item 5 is optional use with Type Y-1 material. It requires sampling and analysis of the soil that will be used to cover Type Y-1 material. This is used if there isn't enough data available to define a "clean" location on the project where soil cover can be obtained. Confer with your district hazardous waste technical specialist to determine if this item is needed.

Paragraph 16 Item 6

This item is optional and can be used with any type of material. It would be used if adequate sampling data had not been collected during project development and confirmatory sampling was needed in an area after excavation. Confer with your district hazardous waste technical specialist to determine if this item is needed.

Paragraph 16 Item 8

Use item 8 if paragraph 14 is being used to require air monitoring.

Paragraph 36

Paragraph 36 instructs the Contractor that the Engineer will provide the Board of Equalization ID number. This paragraph is only used in District 4 for Type Z-2 and Z-3 material. Parallel language is not needed for the other districts because this issue is covered in Section 14-11.02F(3) “Hazardous Waste Transport and Disposal” of the Standard Specifications.

Paragraph 37

Paragraph 37 is a place holder if paragraphs 35 and 36 are not used. When using paragraphs 35 and 36, delete paragraph 37.

Paragraph 40

Paragraph 38 addresses payment for sampling and analysis of surplus excavated material not previously sampled. Delete paragraph 38 if the project does not have surplus excavated material.

IMPLEMENTATION TIPS

When managing soil containing aerially deposited lead, soil is usually sampled and analyzed during the development of the Environmental Document or in some cases during the design phase of the project. The district hazardous waste technical specialist will provide a recommendation regarding soil management. Soils containing hazardous waste levels of lead may be reused as long as certain conditions regarding lead concentration, clean cover, placement location, etc. are met and there are available and appropriate reuse locations. Average lead concentrations (based upon the appropriate UCL) are used to determine whether and how material can be reused under the Variance.

When the Variance is invoked and soils containing hazardous waste levels of lead will be reused on a project, the location where the ADL soil will be placed should be clearly shown on the project plans unless staging issues prevent such detailed planning.

Please note that ADL soils occasionally contain lead at high enough concentrations to be a federal hazardous waste, commonly referred to as RCRA waste. The variance cannot be applied to RCRA wastes because California cannot give a variance to federal law. As a result this material must be transported to a Class I disposal facility.

In all cases where ADL is a concern, the district hazardous waste technical specialist will analyze the lead concentration data for different depths separately and in combination and will provide specific recommendations for soil management. Design staff must work closely with the hazardous waste technical specialist to ensure that the most cost effective approach that works within the project logistics is used. Design staff must reconfer with the district hazardous waste technical specialist if there are any design changes that may impact the soil management plans.

Paragraph 16 Item 12

Item 12 requires the Contractor to designate the hazardous waste disposal facility that will be used. Use item 12 for projects with Type Z-2 or Z-3 material.

Paragraph 16 Item 13

Item 13 is used if Type Y-1 or Y-2 material will be moved from one project to another. Edit Type Y-1 or Y-2 to match paragraphs 25 and or 26.

Paragraphs 17 and 18

Paragraphs 17 and18 require submittal of the Burial Location Report. These paragraphs are included if paragraphs 25 and/or 26 are used.

Paragraph 19

Paragraph 19 is a place holder if paragraphs 17 and 18 are not used. When using paragraphs 17 and 18, delete paragraph 19.

Paragraph 21

Paragraph 21 lists the agencies which have regulatory authority over work involving ADL. Add or delete agencies as applicable. Insert the RWQCB Region number and name. Insert the AQMD name.

Paragraph 25

Paragraph 25 provides instructions for management of Type Y-1 material (material reusable under the DTSC Variance under soil). Use if the project includes Type Y–1. Insert the thickness of the required nonhazardous soil cover. Use a minimum cover of 1 foot except for planned landscaping areas. Use a minimum cover of 2 feet for planned landscaping areas.

Paragraph 26

Paragraph 26 provides instructions for management of Type Y-2 material (material reusable under the DTSC Variance under pavement). Use paragraph 26 if the project includes Type Y-2.

Paragraph 27

Paragraph 27 provides instructions for disposal of Type Z-2 material (waste subject to California hazardous waste regulation that cannot be re-used on Caltrans right of way because there isn't a suitable burial location). Use paragraph 27 if the project includes Type Z-2.

Paragraph 28

Paragraph 28 provides instructions for disposal of Type Z-3 material (waste subject to federal hazardous waste regulation). Use paragraph 28 if the project includes Type Z-3.

Paragraphs 30 -32

Paragraphs 30 -32 are the surveying requirements that are implemented when Type Y-1 and/or Type Y-2 material is included in the project. Use paragraphs 30 -32 if paragraph 25 and/or 26 is used.

Paragraph 33

Paragraph 33 is a place holder if paragraphs 30 through 32 are not used. When using paragraphs 30 through 32, delete paragraph 33.

Paragraph 35

Paragraph 35 addresses sampling and analysis of surplus material that has not been previously tested. Delete paragraph 35 if the project does not have surplus excavated material.

Replace section 14-11.03 with:

14-11.03 MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALLY DEPOSITED LEAD

14-11.03A General

14-11.03A(1) Summary

Section 14-11.03 includes specifications for hazardous waste management while excavating, stockpiling, transporting, placing, and disposing of material containing hazardous waste concentrations of aerially deposited lead (ADL).

ADL is present within the project limits.

The Department has received from the DTSC a variance regarding the use of material containing ADL. The variance applies if Type Y-1 or Y-2 material are shown. The variance is available for inspection at the Department of Transportation, District ___, _____.

14-11.03A(2) Definitions

Type Y-1: Material that contains ADL in average concentrations (using the 90 percent Upper Confidence Limit) of 1.5 mg/L or less extractable lead (based on a modified waste extraction test using deionized water as the extractant) and 1,411 mg/kg or less total lead. This material is a California hazardous waste that may be reused as permitted under the variance of the DTSC provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum historic water table elevation and covered with at least 1 foot of non-hazardous soil.

Type Y-2: Material that contains ADL in average concentrations (using the 90 percent Upper Confidence Limit) that exceed either 1.5 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) or 1,411 mg/kg total lead but are less than 150 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) and less than 3,397 mg/kg of total lead. This material is a California hazardous waste that may be reused as permitted under the variance of DTSC provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum historic water table elevation and protected from infiltration by a pavement structure which will be maintained by the Department.

Type Z-2: Material that contains ADL in average concentrations (using the 95 percent Upper Confidence Limit) greater than or equal to 1,000 mg/kg total lead, greater than or equal to 5.0 mg/L soluble lead (as tested using the California Waste Extraction Test), and the material is surplus; or material that contains ADL in average concentrations greater than 150 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) or greater than 3,397 mg/kg total lead. This material is a Department-generated California hazardous waste and must be transported to and disposed of at a California Class I disposal site.

Type Z-3: Material that contains ADL in average concentrations (using the 95 percent Upper Confidence Limit) greater than 5.0 mg/L soluble lead, (as tested using the Toxicity Characteristic Leaching Procedure). This material is a Department-generated federal hazardous waste and must be transported to and disposed of at a California Class I disposal site.

14-11.03A(3) Site Conditions

ADL concentration data and sample locations maps are included in the *Information Handout*.

Type Y-1 material exists between ____ and ____ feet, measured horizontally from the edges of existing pavement, from ____ to ____ station, and from a depth of ____ to ____ feet below existing grade, as shown.

Type Y-2 material exists between ____ and ____ feet, measured horizontally from the edges of existing pavement, from ____ to ____ station, and from a depth of ____ to ____ feet below existing grade, as shown.

Type Z-2 material exists between ____ and ____ feet, measured horizontally from the edges of existing pavement, from ____ to ____ station, and from a depth of ____ to ____ feet below existing grade, as shown.

Type Z-3 material exists between ____ and ____ feet, measured horizontally from the edges of existing pavement, from ____ to ____ station, and from a depth of ____ to ____ feet below existing grade as shown.

14-11.03A(4) Submittals

14-11.03A(4)(a) Lead Compliance Plan

Submit a lead compliance plan under section 7-1.02K(6)(j)(ii).

Include perimeter air monitoring incorporating upwind and downwind locations as shown or as authorized. Monitor with personal air samplers using National Institute of Safety and Health Method 7082. Sampling must achieve a detection limit of 0.05 µg/ m^3 of air per day. Conduct daily monitoring while clearing and grubbing and performing earthwork operations. Analyze a single representative daily sample for lead. Analyze the sample and provide results to the Engineer within 24 hours. Analyses must be performed by a laboratory accredited by the Environmental Lead Laboratory-Accreditation Program of the American Industrial Hygiene Association. Average lead concentrations must not exceed 1.5 µg/ m^3 of air per day and 0.15 µg/ m^3 per day on a rolling 90-day basis. Calculate average daily concentrations based on monitoring to date, and projection based on those monitoring trends for the next 90 days or to the end of work subject to the lead compliance plan if less than the specified averaging period. If concentrations exceed these levels stop work and modify the work to prevent release of lead. Monitor under the direction of a CIH. The air monitoring data must be reviewed by and signed by the CIH.

14-11.03A(4)(b) Excavation and Transportation Plan

Within ___ days after approval of the Contract, submit 3 copies of an excavation and transportation plan. Allow ____ days for review. If revisions are required, as determined by the Engineer, submit the revised plan within ___ days of receipt of the Engineer's comments. For the revision, allow ___ days for the review. Minor changes to or clarifications of the initial submittal may be made and attached as amendments to the excavation and transportation plan. In order to allow construction to proceed, the Engineer may conditionally approve the plan while minor revisions or amendments are being completed.

Prepare the written, project specific excavation and transportation plan establishing the procedures you will use to comply with requirements for excavating, stockpiling, transporting, and placing or disposing of material containing ADL. The plan must comply with the regulations of the DTSC and Cal/OSHA and the requirements of the variance. The sampling and analysis portions of the excavation and transportation plan must meet the requirements for the design and development of the sampling plan, statistical analysis, and reporting of test results contained in US EPA, SW 846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual Physical/Chemical, Chapter Nine, Section 9.1. The plan must include the following elements:

1. Excavation schedule by location and date
2. Temporary locations of stockpiled material
3. Sampling and analysis plans for areas after removal of a stockpile. Include the following:
   - 3.1. Location and number of samples
   - 3.2. Name and address of the CDPH Environmental Laboratory Accreditation Program (ELAP) certified laboratory where the analysis was performed
4. Survey methods for Type Y-1 or Y-2 material burial locations
5. Sampling and analysis plan for soil cover
6. Sampling and analysis plan for post excavation from ____ to ____ station as shown.
7. Dust control measures
8. Air monitoring. Include the following information:
   - 8.1. Location and type of equipment
   - 8.2. Sampling frequency
   - 8.3. Name and address of the accredited laboratory where the analysis was performed
9. Transportation equipment and routes
10. Method for preventing spills and tracking material onto public roads
11. Truck waiting and staging areas
12. Site for disposal of hazardous waste
13. Example of bill of lading to be carried by trucks transporting Type Y-1 or Y-2, material. The bill of lading must include:
    - 13.1. US Department of Transportation (US DOT) description including shipping name
    - 13.2. Hazard class

13.3. Identification number
13.4. Handling codes
13.5. Quantity of material
13.6. Volume of material

14. Spill Contingency Plan for material containing ADL

14-11.03A(4)(c) Burial Location Report

Within 5 business days of completing placement of Type Y-1 or Y-2 material at a burial location, submit a report for that burial location, including "Burial Location of Soil Containing Aerial Deposited Lead" form and electronic geospatial vector data shapefiles of the top and bottom perimeters of the burial location. Submit to the Engineer and to:

ADL@dot.ca.gov

The Engineer notifies you of acceptance or rejection of the burial location report within 5 business days of receipt. If the report is rejected, you have 5 business days to submit a corrected report.

Not Used

14-11.03A(4)(d) Bill of Lading

Copies of the bills of lading must be submitted as an informational submittal upon placement of Type Y-1 or Y-2 material in its final location.

14-11.03A(5) Quality Control and Assurance

Excavation, reuse, and disposal of material with ADL must comply with rules and regulations of the following agencies:

1. US DOT
2. US EPA
3. California Environmental Protection Agency
4. CDPH
5. DTSC
6. Cal/OSHA
7. California Department of Resources Recycling and Recovery
8. RWQCB, Region __, _____
9. California Air Resources Board
10. _____ Air Quality Management District

Transport and dispose of material containing hazardous levels of lead under federal and state laws and regulations and county and municipal ordinances and regulations. Laws and regulations that govern this work include:

1. Health & Safety Code, Division 20, Chp 6.5 (California Hazardous Waste Control Act)
2. 22 CA Code of Regs, Div. 4.5 (Environmental Health Standards for the Management of Hazardous Waste)
3. 8 CA Code of Regs

14-11.03B Materials

Not Used

14-11.03C Construction

14-11.03C(1) General

Not Used

14-11.03C(2) Material Management

Place Type Y-1 material as shown and cover with a minimum ____ foot layer of nonhazardous soil or the pavement structure. Temporary surplus material may be generated on this project due to the requirements of stage construction. Do not transport temporary surplus outside the job site. It may be necessary to:

1. Stockpile material for subsequent stages.
2. Construct some embankments out of stage.
3. Handle temporary surplus material more than once.

Place Type Y-2 material as shown and cover with the pavement structure. Temporary surplus material may be generated on this project due to the requirements of stage construction. Do not transport temporary surplus material outside the job site. It may be necessary to:

1. Stockpile material for subsequent stages.
2. Construct some embankments out of stage.
3. Handle temporary surplus material more than once.

Transport excavated Type Z-2 material using:

1. Hazardous waste manifest
2. Hazardous waste transporter with a current DTSC registration certificate and CA Highway Patrol (CHP) Biennial Inspection of Terminals (BIT) Program compliance documentation.

Transport excavated Type Z-3 material using:

1. Hazardous waste manifest
2. Hazardous waste transporter with a current DTSC registration certificate and CHP BIT Program compliance documentation

14-11.03C(3) Dust Control

Excavation, transportation, placement, and handling of material containing ADL must result in no visible dust migration. A water truck or tank must be on the job site at all times while clearing and grubbing or performing earthwork operations in work areas containing ADL. Apply water to prevent visible dust.

14-11.03C(4) Surveying Type Y-1 or Y-2 Material Burial Locations

Survey the location of the bottom and top perimeters of each area where you bury Type Y-1 or Y-2 material (burial locations). The survey must be performed by or under the direction of one of the following:

1. Land surveyor licensed under the Bus & Prof Code, Chp 15 (commencing with § 8700)
2. Civil engineer licensed prior to January 1, 1982 under the Bus & Prof Code, Chp 7 (commencing with § 6700)

Survey 10 points to determine each burial location horizontally and vertically within the specified accuracies and to create closed polygons of the perimeters of the bottom and top of the burial location. If 10 points are not sufficient to define the polygon, add additional points until the polygon is defined. Establish the position of the bottom and top perimeters before placing subsequent layers of material that obstruct the location.

Report each burial location in California State Plane Coordinates in US Survey feet within the appropriate zone of the California Coordinate System of 1983 (CCS83) and in latitude and longitude. Horizontal positions must be referenced to CCS83 (epoch 2007.00 or later National Geodetic Survey [NGS] or California Spatial Reference Center [CSRC] published epoch) to an accuracy of 3 ft horizontally. The elevation of points identifying the burial location must locate the bottom and top of Type Y-1 or Y-2 material to an accuracy of 1 ft vertically. Elevations of the bottom and top of Type Y-1 or Y-2 material must be referenced to North American Vertical Datum of 1988 (NAVD88). Report accuracy of spatial data in US Survey feet under Federal Geographic Data Committee (FGDC)-STD-007.1-1998.

Not Used

14-11.03C(5) Material Transportation

Before traveling on public roads, remove loose and extraneous material from surfaces outside the cargo areas of the transporting vehicles and cover the cargo with tarpaulins or other cover, as outlined in the approved excavation and transportation plan. You are responsible for costs due to spillage of material

containing lead during transport. Transportation routes for Type Y-1 or Y-2 material must only include the highway.

14-11.03C(6) Disposal

Analyze surplus material for which the lead content is not known for lead before removing the material from within the project limits. Submit a sampling and analysis plan and the name of the analytical laboratory at least 15 days before beginning sampling and analysis. Use a CDPH ELAP certified laboratory. Sample at a minimum rate of 1 sample for each 200 cu yd of surplus material and test for lead using US EPA Method 6010B or 7000 series.

The Engineer will obtain the State of California Board of Equalization identification no, for hazardous waste disposal. The Engineer will sign all hazardous waste manifests. Notify the Engineer 5 business days before the manifests are to be signed.

Not Used

14-11.03D Payment

Payment for a lead compliance plan is not included in the payment for environmental stewardship work.

The Department does not pay for stockpiling of material containing ADL, unless the stockpiling is ordered. The Department does not pay for sampling and analysis unless it is ordered. The Department does not pay for additional sampling and analysis required by the receiving landfill.

Sampling, analyses, and reporting of results for surplus material not previously sampled is change order work.

Appendix E
DTSC-Caltrans Lead in Soil Variance

Matthew Rodriquez
Secretary for
Environmental Protection

Department of Toxic Substances Control

Miriam Barcellona Ingenito
Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

June 26, 2014

Ms. Katrina C. Pierce, Chief
Division of Environmental Analysis
California Department of Transportation
P.O. Box 942873, MS-27
Sacramento, California 94273-0001

EXTENSION OF STATEWIDE VARIANCE NO. V09HQSCD006 FOR CALTRANS' HANDLING OF AERIALLY DEPOSITED LEAD

Dear Ms. Pierce:

The Department of Toxic Substances Control (DTSC) received a letter dated May 30, 2014, from the California Department of Transportation (Caltrans), regarding Variance No. V09HQSCD006 (Variance), issued June 30, 2009. Caltrans is requesting DTSC to grant a six-month extension on the Variance with the new expiration date of December 31, 2014, instead of June 30, 2014. The Variance waives specified hazardous waste management requirements for purposes of Caltrans' handling of roadside soil contaminated with aerially deposited lead, and applies to Caltrans' highway improvement projects in all Caltrans Districts statewide.

Based on recent discussions between Caltrans and DTSC both agreed a six-month extension is necessary to provide adequate time for DTSC to finalize the new (renewal) variance, and for Caltrans to review and provide comments on the renewal variance. Key next steps in DTSC's review process include finalizing the ecological and health risk assessments, working on the California Environmental Quality Act documents, drafting of the renewal variance, and allowing adequate time for a public notice period for the renewal variance.

This letter hereby extends the effective date of Variance No. V09HQSCD006 to December 31, 2014. If you have any questions regarding this extension, please contact Mr. Bob Gipson of my staff at (916) 327-4061 or via email at Bob.Gipson@dtsc.ca.gov.

Sincerely,

Pauline Batarseh

Pauline Batarseh, Chief
Policy Implementation and Support Branch
Policy and Program Support Division
Hazardous Waste Management Program

cc: See next page.

California Environmental Protection Agency
Department of Toxic Substances Control

VARIANCE

Applicant Names:

State of California
Department of Transportation
(Caltrans)
1120 N Street
Sacramento, California 95814

Variance No. V09HQSCD006

Effective Date: July 1, 2009

Expiration Date: July 1, 2014

Modification History:

Pursuant to California Health and Safety Code, Section 25143, the Department of Toxic Substances Control hereby issues the attached Variance consisting of 9 pages to the Department of Transportation.

Beverly Rikala
Team Leader, Operating Facilities Team
Department of Toxic Substances Control

Date: 6/30/09

1. INTRODUCTION.

a) Pursuant to Health and Safety Code, section 25143, the California Department of Toxic Substances Control (DTSC) grants this variance to the applicant below for waste considered to be hazardous solely because of its lead concentrations and as further specified herein.

b) DTSC hereby grants this variance only from the requirements specified herein and only in accordance with all terms and conditions specified herein.

2. IDENTIFYING INFORMATION.

APPLICANT/OWNER/OPERATOR

State of California
Department of Transportation, (Caltrans)
All Districts

3. TYPE OF VARIANCE.

Generation, Manifest, Transportation, Storage and Disposal.

4. ISSUANCE AND EXPIRATION DATES.

DATE ISSUED: July 1, 2009 EXPIRATION DATE: July 1, 2014

5. APPLICABLE STATUTES AND REGULATIONS. The hazardous waste that is the subject of this variance is fully regulated under Health and Safety Code, section 25100, et seq. and California Code of Regulations, title 22, division 4.5 except as specifically identified in Section 8 of this variance.

6. DEFINITION. For purposes of this variance, "lead-contaminated soil(s)" shall mean soil that meets the criteria for hazardous waste but contains less than 3397 mg/kg total lead and is hazardous primarily because of aerially-deposited lead contamination associated with exhaust emissions from the operation of motor vehicles.

7. FINDINGS/DETERMINATIONS. DTSC has determined that the variance applicant meets the requirements set forth in Health and Safety Code, section 25143 for a variance from specific regulatory requirements as outlined in Section 8 of this variance. The specific determinations and findings made by DTSC are as follows:

a) Caltrans intends to excavate, stockpile, transport, bury and cover large volumes of soil associated with highway construction projects. In the more urbanized highway corridors around the State this soil is contaminated with lead, primarily due to historic emissions from automobile exhausts. In situ sampling and laboratory testing has shown that some of the soil contains concentrations of lead in excess of State regulatory thresholds, and thus any generated waste from disturbance of the soil

would be regulated as hazardous waste. Such soil contains a Total Threshold Limit Concentration (TTLC) of 1000 milligrams per kilogram (mg/kg) or more lead and/or it meets or exceeds the Soluble Threshold Limit Concentration (STLC) for lead of 5 milligrams per liter (mg/l). A Human Health Risk Assessment prepared for this variance concludes that soil contaminated with elevated concentrations of lead can be managed in a way that presents no significant risk to human health.

b) The lead-contaminated soil will be placed only in Caltrans' right-of-way. Depending on concentration levels, the wastes will be covered with a minimum thickness of one (1) foot of non-hazardous soil or asphalt/concrete cover and will always be at least five (5) feet above the highest groundwater elevation. Caltrans will assure that proper health and safety procedures will be followed for workers, including any persons engaged in maintenance work in areas where the waste has been buried and covered.

c) DTSC finds and requires that the lead-contaminated soil excavated, stockpiled, transported, buried and covered pursuant to this variance is a non-RCRA hazardous waste, and that the waste management activity is insignificant as a potential hazard to human health and safety and the environment, when managed in accordance with the conditions, limitations and other requirements specified in this variance.

8. PROVISIONS WAIVED.

Provided Caltrans meets the terms and conditions of this variance, DTSC waives the hazardous waste management requirements of Health and Safety Code, Chapter 6.5 and California Code of Regulations, title 22 for the lead-contaminated soil that Caltrans reuses in projects that would require Caltrans to obtain a permit for a disposal facility and any other generator requirements that concern the transportation, manifesting, storage and land disposal of hazardous waste.

9. SPECIFIC CONDITIONS, LIMITATIONS AND OTHER REQUIREMENTS.

In order for the provisions discussed in section 8 to be waived, lead-contaminated soil must not exceed the contaminant concentrations discussed below and Caltrans management practices must meet all the following conditions:

a) Caltrans implementation of this variance shall comply with all applicable state laws and regulations for water quality control, water quality control plans, waste discharge requirements (including storm water permits), and others issued by the State Water Resources Control Board (SWRCB) and/or a California Regional Water Quality Control Board (RWQCB). Caltrans shall provide written notification to the appropriate RWQCB at least 30 days prior to advertisement for bids of projects that involve invocation of this variance, or as otherwise negotiated with the SWRCB or appropriate RWQCB.

b) The waivers in this variance shall only be applied to lead-contaminated soil that is not a RCRA hazardous waste and is hazardous primarily because of aerially-

deposited lead contamination associated with exhaust emissions from the operation of motor vehicles. The variance is not applicable to any other hazardous waste.

c) Soil containing 1.5 mg/l extractable lead or less (based on a modified waste extraction test using deionized water as the extractant) and 1411 mg/kg or less total lead may be used as fill provided that the lead-contaminated soil is placed a minimum of five (5) feet above the maximum historic water table elevation and covered with at least one (1) foot of nonhazardous soil that will be maintained by Caltrans to prevent future erosion.

d) Soil containing 150 mg/L extractable lead or less (based on a modified waste extraction test using deionized water as the extractant) and 3397 mg/kg or less total lead may be used as fill provided that the lead-contaminated soils are placed a minimum of five (5) feet above the maximum historic water table elevation and protected from infiltration by a pavement structure which will be maintained by Caltrans.

e) Lead-contaminated soil with a pH less than 5.5 but greater than 5.0 shall only be used as fill material under the paved portion of the roadway. Lead-contaminated soil with a pH at or less than 5.0 shall be managed as a hazardous waste.

f) For each project that has the potential to generate waste by disturbing lead-contaminated soil (as defined in 6), Caltrans shall conduct sampling and analysis to adequately characterize the soils containing aerially deposited lead in the areas of planned excavation along the project route. Such sampling and analysis shall include the Toxicity Characteristic Leaching Procedure (TCLP) as prescribed by the United States Environmental Protection Agency to determine whether concentrations of contaminants in soil exceed federal criteria for classification as a hazardous waste.

g) Lead-contaminated soil managed pursuant to this variance shall not be moved outside the designated corridor boundaries (see paragraph t) below. All lead-contaminated soil not buried and covered within the same Caltrans corridor where it originated is not eligible for management under this variance and shall be managed as a hazardous waste.

h) Lead-contaminated soil managed pursuant to this variance shall not be placed in areas where it would become in contact with groundwater or surface water (such as streams and rivers).

i) Lead-contaminated soil managed pursuant to this variance shall be buried and covered only in locations that are protected from erosion that may result from storm water run-on and run-off.

j) The lead-contaminated soil shall be buried and covered in a manner that will prevent accidental or deliberate breach of the asphalt, concrete, and/or cover soil.

k) The presence of lead-contaminated soil shall be incorporated into the projects' as-built drawings. The as-built drawings shall be annotated with the location, representative analytical data, and volume of lead-contaminated soil. The as-built drawings shall also state the depth of the cover. These as-built drawings shall be retained by Caltrans.

l) Caltrans shall ensure that no other hazardous wastes, other than the lead-contaminated hazardous waste soil, are placed in the burial areas.

m) Lead-contaminated soil shall not be buried within ten (10) feet of culverts or locations subject to frequent worker exposure.

n) Excavated lead-contaminated soil not placed into the designated area (fill area, roadbed area) by the end of the working day shall be stockpiled and covered with sheets of polyethylene or at least one foot of non-hazardous soil. The lead-contaminated soil, while stockpiled or under transport, shall be protected from contacting surface water and from being dislodged or transported by wind or storm water. The stockpile covers shall be inspected at least once a week and within 24 hours after rainstorms. If the lead-contaminated soil is stockpiled for more than 4 days from the time of excavation, Caltrans shall restrict public access to the stockpile by using barriers that meet the safety requirements of the construction zone. The lead-contaminated soil shall be stockpiled for no more than 90 days from the time the soil is first excavated. If the contaminated soil is stockpiled beyond the 90 day limit Caltrans shall:

1. notify DTSC in writing of the 90 day exceedance and expected date of removal;
2. perform weekly inspections of the stockpiled material to ensure that there is adequate protection from run-on, runoff, public access, and wind dispersion; and
3. notify DTSC on weekly basis of the stockpile status until the stockpile is removed.

The lead-contaminated soil shall be stockpiled for no more than 180 days from the time the soil is first excavated.

o) Caltrans shall ensure that all stockpiling of lead-contaminated soil remains within the project area of the specified corridor. Stockpiling of lead-contaminated soil within the specified corridor, but outside the project area, is prohibited.

p) Caltrans shall conduct confirmatory sampling of any stockpile area in areas not known or expected to contain lead-contaminated soil after removal of the lead-contaminated soil to ensure that contamination has not been left behind or has not migrated from the stockpiled material to the surrounding soils.

q) Caltrans shall stockpile lead-contaminated soil only on high ground (i.e. no sump areas or low points) so that stockpiled soil will not come in contact with surface

water run-on or run-off.

r) Caltrans shall not stockpile lead-contaminated soil in environmentally and ecologically sensitive areas.

s) Caltrans shall ensure that storm/rain run-off that has come into contact with stockpiled lead-contaminated soil will not flow to storm drains, inlets, or waters of the State.

t) Caltrans may dispose of the lead-contaminated soil only within the operating right-of-way of an existing highway, as defined in Streets and Highways Code, section 23. Caltrans may move lead-contaminated soil from one Caltrans project to another Caltrans project only if the lead-contaminated soil remains within the same designated corridor.

Caltrans shall record any movement of lead-contaminated soil by using a bill of lading. The bill of lading must contain: 1) the US DOT description including shipping name, hazard class and ID number; 2) handling codes; 3) quantity of material; 4) volume of material; 5) date of shipment; 6) origin and destination of shipment; and 7) any specific handling instructions. The bill of lading shall be referenced in and kept on file with the project's as-built drawings. The lead-contaminated soil must be kept covered during transportation.

u) For each specific corridor where this variance is to be implemented, all of the following information shall be submitted in writing to DTSC at least five (5) days before construction of any project begins:

1. plan drawing designating the boundaries of the corridor where lead-contaminated soils will be excavated, stockpiled, buried and covered;

2. a list of the Caltrans projects that the corridor encompasses;

3. a list of Caltrans contractors that will be conducting any phase of work on any project affected by this variance;

4. duration of corridor construction;

5. location where sampling and analytical data used to make lead concentration level determinations are kept (e.g. a particular Caltrans project file);

6. name and phone number (including area code) of project resident engineer and project manager;

7. location where Caltrans and contractor health and safety plan and records are kept;

8. location of project special provisions (including page or section number) for soil excavation, transportation, stockpile, burial and placement of cover material;

9. location of project drawings (including drawing page number) for soil excavation, burial and placement of cover in plan and cross section (for example, "The project plans are located at the resident engineer's office located at 5th and Main Streets, City of Fresno, See pages xxxxx of contract xxxx");

10. updated information if a Caltrans project within the corridor is added, changed or deleted; and

11. type of environmental document prepared for each project, date of adoption, document title, Clearing House number and where the document is available for review. A copy of the Caltrans Categorical Exemption, Categorical Exclusion Form, or if filed, the Notice of Exemption for any project shall be submitted to the DTSC Headquarters Project Manager.

v) Changes in location of lead-contaminated soil placement, quantities or protection measures (field changes) shall be noted in the resident engineer's project log within five (5) days of the field change.

w) Caltrans shall ensure that field changes are in compliance with the requirements of this variance.

x) Operational procedures described in the California Environmental Quality Act (CEQA) Special Initial Study shall be followed by Caltrans for activities conducted under this variance.

y) Caltrans shall implement appropriate health and safety procedures to protect its employees and the public, and to prevent or minimize exposure to potentially hazardous wastes. A project-specific health and safety plan must be prepared and implemented. The monitoring and exposure standards shall be based on construction standards for exposure to lead in California Code of Regulations, title 8, section 1532.1.

z) Caltrans shall provide a district Coordinator for this variance. This Coordinator will be the primary point of contact for information flowing to, or received from, DTSC regarding any matter or submission under this variance. Caltrans shall promptly notify DTSC of the name of Coordinator and any change in the Coordinator.

aa) Caltrans shall conduct regular inspections, consistent with Caltrans' Maintenance Division's current Pavement Inspection and Slope Inspection programs, of the locations where lead-contaminated soil has been buried and/or covered pursuant to this variance. If site inspection reveals deterioration of cover so that conditions in the variance are not met, Caltrans shall repair or replace the cover.

bb) Caltrans shall develop and implement a record keeping mechanisms to record and retain permanent records of all locations where lead-contaminated soil has been buried per this variance. The records shall be made available to DTSC.

cc) If areas subject to the terms of this variance are sold, relinquished or abandoned (including roadways), all future property owners shall be notified in writing in advance by Caltrans of the requirements of this variance, and Caltrans shall provide the owner with a copy of the variance. A copy of such a notice shall be sent to DTSC and contain the corridor location and project. Caltrans shall also disclose to DTSC and the new owner the location of areas where lead-contaminated soil has been buried. Future property owners shall be subject to the same requirements as Caltrans.

dd) For the purposes of informing the public about instances where the variance is implemented, Caltrans shall:

1. maintain current fact sheets at all Caltrans resident engineer offices and the Caltrans District office. Caltrans shall make the fact sheets available to anyone expressing an interest in variance-related work.

2. maintain a binder(s) containing copies of all reports submitted to DTSC at the District office. Caltrans shall ensure that the binders are readily accessible to the public.

3. carry out the following actions when it identifies additional projects:

(A) notify the public via a display advertisement in a newspaper of general circulation in that area.

(B) update and distribute the fact sheet to the mailing list and repository locations.

ee) Lead-contaminated soil may be buried only in areas where access is limited or where lead-contaminated soil is covered and contained by a pavement structure.

ff) Dust containing lead-contaminated soil must be controlled. Water or dust palliative may be applied to control dust. If visible dust migration occurs, all excavation, stockpiling and truck loading and burying must be stopped. The granting of this variance confers no relief on Caltrans from compliance with the laws, regulations and requirements enforced by any local air district or the California Air Resources Board.

gg) Sampling and analysis is required to show the lead-contaminated soil meets the variance criteria. All sampling and analysis must be conducted in accordance with the appropriate methods specified in U.S. EPA SW-846.

hh) DTSC retains the right to require Caltrans or any future owner to remove, and properly dispose of, lead-contaminated soil in the event DTSC determines it is necessary for protection of public health, safety or the environment.

ii) DTSC finds that some projects involving lead-contaminated soil are joint projects between Caltrans and other government entities. In these joint projects, Caltrans may not be the lead agency implementing the project although Caltrans is still involved if the project occurs on its right-of-way.

Caltrans may invoke this variance for joint projects where Caltrans and local government entity are involved provided that 1) the project is within the Caltrans Right-of-Way; 2) Caltrans reviews/ oversees all phases of the project including design, contracting, environmental assessment, construction, operation, and maintenance; and 3) Caltrans oversees the project to verify all variance conditions are complied with. Caltrans will be fully responsible for the variance notification and implementation in these joint projects.

jj) All correspondence shall be directed to the following office:

Hazardous Waste Permitting
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826

Attn: Caltrans Lead Variance Notification Unit

10. DISCLAIMER.

a) The issuance of this variance does not relieve Caltrans of the responsibility for compliance with Health and Safety Code, chapter 6.5, or the regulations adopted thereunder, and any other laws and regulations other than those specifically identified in Section 8 of this variance. Caltrans is subject to all terms and conditions herein. The granting of this variance confers no relief from compliance with any federal, State or local requirements other than those specifically provided herein.

b) The issuance of this variance does not release Caltrans from any liability associated with the handling of hazardous waste, except as specifically provided herein and subject to all terms and conditions of this variance.

11. VARIANCE MODIFICATION OR REVOCATION. This variance is subject to review at the discretion of DTSC and may be modified or revoked by DTSC upon change of ownership and at any other time pursuant to Health and Safety Code, section 25143.

12. CEQA DETERMINATION. DTSC adopted a Negative Declaration on June 30, 2009.

Approved:

6/30/09
Date

Beverly Rikala
Operating Facilities Team
Department of Toxic Substances Control

Appendix F

Caltrans' Naturally Occurring Metals Policy (14-11.11)

Replace section 14-11.11 with:

14-11.11 NATURALLY OCCURRING METALS

14-11.11A General

Inform the owner of the disposal site under section 5-1.20B(4) that:

1. The material contains metals that occur naturally. Concentrations vary regionally according to material and have only minimal influence from human activities. Regional concentrations of metals are referred to as background concentrations.
2. Metals detected on the job site include those shown in the following table:

Naturally Occurring Metals

Metal	Concentration		
	Minimum (mg/kg)	Maximum (mg/kg)	Estimated average (mg/kg)
Arsenic	<1.7	20	5.75
Thallium	<0.75	21	5.63

3. These metals concentrations exceed some published environmental screening levels but are consistent with background concentrations reported for regions in the San Francisco Bay Area.

Refer to the site investigation report described in section 2-1.06B for details.

Consider these metals concentrations when making arrangements for disposal of surplus material at some locations, depending on land use.

Obtain the disposal site owner's acknowledgment of metals concentrations in the written authorization for disposal. Commercial landfill operators are also considered property owners.

14-11.11B Materials

Not Used

14-11.11C Construction

Not Used

14-11.11D Payment

Not Used

Appendix G
Data Validation

Torrent Laboratory's certified analytical reports were subjected to a quality assurance/quality control (QA/QC) review and data validation by URS. The analytical data from May 12 through May 30, 2014, for the I-680 Project soil and groundwater samples, were reviewed according to the USEPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (USEPA 2008) and *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (USEPA 2010). A "J" qualifier indicates that the analyte was positively identified, but that the associated numerical value is an approximate concentration of the analyte in the sample. A "UJ" qualifier indicates that the analyte was not detected above the reported sample quantitation limit (i.e., the laboratory reporting limit); however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. A "U" qualifier indicates that the analyte was detected between the reported sample quantitation limit (i.e., the laboratory reporting limit) and the method detection limit, but that the associated numerical value is an approximate concentration of the analyte in the sample.

The QA/QC program includes standard sample collection procedures in the field and established analytical methodologies in the laboratory. Laboratory and field quality control (QC) sample results were evaluated to assess the quality of the individual sample results and overall method performance. Analytical performance was evaluated on a "batch QC" basis by evaluating the QC sample results for groups of samples that were prepared and analyzed together. The data evaluation performed included review of the following:

- Blanks (laboratory method blanks and trip blanks)
- Spikes (laboratory control spikes, blank spikes, matrix control spikes and surrogate spikes)
- Duplicates (laboratory control spike duplicates, blank spike duplicates, matrix control spike duplicates and field duplicates)
- Sample integrity (chain-of-custody documentation, sample preservation and holding time compliance)

Trip blanks consist of clean laboratory matrix that is taken into the field in sealed VOA bottles and returned to the laboratory with the environmental samples. Two trip blanks were submitted during this sampling event. All analytes resulted in non-detections.

Method blanks consist of a clean laboratory matrix which is carried through the complete preparation and analytical process. Method blanks are used to evaluate any potential source of contamination resulting from the laboratory procedures or environment. Various detections were observed between the method detection limit and the laboratory reporting limit. For the sample results, non-detections and detections greater than 10 times the method blank detection were not qualified. No detections above the laboratory reporting limit were observed in the method blanks, or did not require any qualification with the exception of the following:

- Dissolved antimony detections were observed between the laboratory reporting limit and the method detection limit in the method blank. The dissolved antimony detection in sample A-14-004 was qualified as estimated and flagged with a "U".
- TPH as motor oil detections were observed between the laboratory reporting limit and the method detection limit in the method blank. The TPH-mo(sg) detection in sample A-14-028 was qualified as estimated and flagged with a "U".
- TPH as motor oil detections were observed between the laboratory reporting limit and the method detection limit in the method blank in batch 422531. The TPH-mo(sg) detections in sample MVP6-6A-1.5-2.0, MVP3-3C-1.0-1.5, MVP2-2C-1.0-1.5 , MVP2-2A-1.5-2.0 was qualified as estimated and flagged with a "J".
- TPH as motor oil detections were observed between the laboratory reporting limit and the method detection limit in the method blank in batch 422511. The TPH-mo(sg) detections in samples MVP10-10A-1.5-2.0, MVP-10-10C-0.0-0.5, MVP101-10C-1.0-1.5, AND MVP7-7A-0.0-0.5were qualified as estimated and flagged with a "J".

All reported laboratory control spike (LCS) sample recoveries, blank spike (BS) sample recoveries, matrix control spike (MS) sample recoveries, and surrogate spike recoveries were within laboratory QC limits, with the exception of the following:

- A low MS/MSD percent recovery was observed for dissolved mercury in batch 420806. The dissolved mercury non-detection in sample A-14-025 was qualified as estimated and flagged with a "UJ".
- A high MS/MSD percent recovery was observed for barium and lead in batch 422503. The barium and lead results in sample MVP-8-8A-0-0.5 were qualified as estimated and flagged with a "J."
- A low MS/MSD percent recovery was observed for chromium in batch 422503. The chromium result in sample MVP-8-8A-0-0.5 was qualified as estimated and flagged with a "J."
- A low MS/MSD percent recovery was observed for lead in batch 422517. The lead result in sample MVP-8-8A-1.0-1.5 was qualified as estimated and flagged with a "J."
- A high MSD percent recovery was observed for lead in batch 422522. The lead results in sample MVP-5-5A-1.0-1.5 was qualified as estimated and flagged with a "J."
- A high MSD percent recovery was observed for barium in batch 422503. The barium results in sample MVP-5-5A-0-0.5 was qualified as estimated and flagged with a "J."
- A low MS/MSD percent recovery was observed for TPH-mo(sg) in batch 422517. The TPH-mo(sg) result in sample MVP-5-5C-0.0-0.5 was qualified as estimated and flagged with a "J."

- A low MS/MSD percent recovery was observed for TPH-mo(sg) in batch 422511. The TPH-mo(sg) result in sample MVP10-10A-0.0-0.5 was qualified as estimated and flagged with a "J."

Duplicate and replicate analyses are performed by the laboratory to evaluate the precision of analytical procedures. The laboratory may perform MSD and/or LCSD analyses. Field duplicate samples are two identical samples, collected in the field, and submitted to the laboratory with no indication that they are the same. Field duplicate samples are analyzed to evaluate the heterogeneity of the matrices. The analysis of field duplicate samples provides an indication of the total precision of the sampling and analysis process.

The QA/QC review identifies relative percent difference (RPD) greater than 20 percent for compounds detected in the field sample and corresponding field duplicate sample.

Precision is evaluated by calculating a relative percent difference (RPD) using the following equation:

$$\text{RPD}\,(\%) = \left| \frac{(\text{Spike Concentration} - \text{Spike Duplicate Concentration})}{\frac{1}{2}(\text{Spike Concentration} + \text{Spike Duplicate Concentration})} \right| \text{x } 100\%$$

The RPD is compared to laboratory-established control limits to evaluate analytical precision. The QA/QC review identifies RPDs outside laboratory control limits and evaluates the effect of these recoveries on the associated sample results.

High replicate relative percent difference (RPD) was observed in the following samples and required qualification:

- Sample MVP6-6A-1.5-2.0 and corresponding field duplicate sample, FD-1, had an RDP greater than 20% for lead. These lead detections were qualified as estimated and flagged with a "J."

The laboratory also assigned an "x" qualifier to various TPH as motor oil and TPH as gasoline samples. A "x" qualifier indicates that either diesel results are due to over-lapping of oil range organics within the diesel quantified range or the sample does not match reference gasoline standard.

Chain-of-custody documentation was found to be complete and consistent. Samples were preserved as required per method specifications and all samples were analyzed within the method-specified holding times. This suggests that the sample handling and shipping processes did not contribute to sample contamination.

Based on the data quality evaluation, no systematic problems were detected and the overall data objectives for sample contamination, precision, accuracy, and sample integrity were met. These analytical data are of acceptable quality and may be used for their intended purposes, with the qualifications noted.

Appendix H
ProUCL Outputs

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3				User Selected Options								
4				Date/Time of Computation	10/10/2014 2:07:16 PM							
5				From File	ProUCL_Input.xls							
6				Full Precision	OFF							
7				Confidence Coefficient	95%							
8				Number of Bootstrap Operations	2000							
9												
10												
11	LeadSTLC (mvp1)											
12												
13	General Statistics											
14				Total Number of Observations		9			Number of Distinct Observations			9
15									Number of Missing Observations			0
16				Minimum		0.156			Mean			1.186
17				Maximum		3.9			Median			0.24
18				SD		1.429			Std. Error of Mean			0.476
19				Coefficient of Variation		1.204			Skewness			1.295
20												
21	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
22	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
23	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
24	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
25												
26	Normal GOF Test											
27				Shapiro Wilk Test Statistic		0.752			Shapiro Wilk GOF Test			
28				5% Shapiro Wilk Critical Value		0.829			Data Not Normal at 5% Significance Level			
29				Lilliefors Test Statistic		0.302			Lilliefors GOF Test			
30				5% Lilliefors Critical Value		0.295			Data Not Normal at 5% Significance Level			
31	Data Not Normal at 5% Significance Level											
32												
33	Assuming Normal Distribution											
34				95% Normal UCL					95% UCLs (Adjusted for Skewness)			
35				95% Student's-t UCL		2.072			95% Adjusted-CLT UCL (Chen-1995)			2.19
36									95% Modified-t UCL (Johnson-1978)			2.106
37												
38	Gamma GOF Test											
39				A-D Test Statistic		0.83			Anderson-Darling Gamma GOF Test			
40				5% A-D Critical Value		0.749			Data Not Gamma Distributed at 5% Significance Level			
41				K-S Test Statistic		0.33			Kolmogrov-Smirnoff Gamma GOF Test			
42				5% K-S Critical Value		0.289			Data Not Gamma Distributed at 5% Significance Level			
43	Data Not Gamma Distributed at 5% Significance Level											
44												
45	Gamma Statistics											
46				k hat (MLE)		0.826			k star (bias corrected MLE)			0.624
47				Theta hat (MLE)		1.437			Theta star (bias corrected MLE)			1.9
48				nu hat (MLE)		14.86			nu star (bias corrected)			11.24
49				MLE Mean (bias corrected)		1.186			MLE Sd (bias corrected)			1.501
50									Approximate Chi Square Value (0.05)			4.731
51				Adjusted Level of Significance		0.0231			Adjusted Chi Square Value			3.88
52												
53	Assuming Gamma Distribution											

	A	B	C	D	E	F	G	H	I	J	K	L
54	95% Approximate Gamma UCL (use when n>=50))					2.819	95% Adjusted Gamma UCL (use when n<50)					3.437
55												
56	**Lognormal GOF Test**											
57	Shapiro Wilk Test Statistic					0.828	**Shapiro Wilk Lognormal GOF Test**					
58	5% Shapiro Wilk Critical Value					0.829	Data Not Lognormal at 5% Significance Level					
59	Lilliefors Test Statistic					0.31	**Lilliefors Lognormal GOF Test**					
60	5% Lilliefors Critical Value					0.295	Data Not Lognormal at 5% Significance Level					
61	**Data Not Lognormal at 5% Significance Level**											
62												
63	**Lognormal Statistics**											
64	Minimum of Logged Data					-1.859	Mean of logged Data					-0.545
65	Maximum of Logged Data					1.361	SD of logged Data					1.283
66												
67	**Assuming Lognormal Distribution**											
68	95% H-UCL					7.735	90% Chebyshev (MVUE) UCL					2.682
69	95% Chebyshev (MVUE) UCL					3.376	97.5% Chebyshev (MVUE) UCL					4.339
70	99% Chebyshev (MVUE) UCL					6.231						
71												
72	**Nonparametric Distribution Free UCL Statistics**											
73	**Data do not follow a Discernible Distribution (0.05)**											
74												
75	**Nonparametric Distribution Free UCLs**											
76	95% CLT UCL					1.97	95% Jackknife UCL					2.072
77	95% Standard Bootstrap UCL					1.925	95% Bootstrap-t UCL					3.028
78	95% Hall's Bootstrap UCL					2.975	95% Percentile Bootstrap UCL					1.935
79	95% BCA Bootstrap UCL					2.069						
80	90% Chebyshev(Mean, Sd) UCL					2.615	95% Chebyshev(Mean, Sd) UCL					3.262
81	97.5% Chebyshev(Mean, Sd) UCL					4.161	99% Chebyshev(Mean, Sd) UCL					5.925
82												
83	**Suggested UCL to Use**											
84	95% Hall's Bootstrap UCL					2.975						
85												
86	**In Case Bootstrap t and/or Hall's Bootstrap yields an unreasonably large UCL value, use 97.5% or 99% Chebyshev (Mean, Sd) UCL**											
87												
88	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
89	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
90	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
91	For additional insight the user may want to consult a statistician.											
92												
93												
94	**LeadSTLC (mvp10)**											
95												
96	**General Statistics**											
97	Total Number of Observations					9	Number of Distinct Observations					9
98							Number of Missing Observations					0
99	Minimum					0.442	Mean					4.19
100	Maximum					17	Median					1.282
101	SD					6.227	Std. Error of Mean					2.076
102	Coefficient of Variation					1.486	Skewness					1.707
103												
104	**Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use**											
105	**guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.**											
106	**For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).**											

	A	B	C	D	E	F	G	H	I	J	K	L
107	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
108												
109	Normal GOF Test											
110					Shapiro Wilk Test Statistic	0.634	Shapiro Wilk GOF Test					
111					5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level					
112					Lilliefors Test Statistic	0.415	Lilliefors GOF Test					
113					5% Lilliefors Critical Value	0.295	Data Not Normal at 5% Significance Level					
114	Data Not Normal at 5% Significance Level											
115												
116	Assuming Normal Distribution											
117			95% Normal UCL				95% UCLs (Adjusted for Skewness)					
118					95% Student's-t UCL	8.05				95% Adjusted-CLT UCL (Chen-1995)		8.866
119										95% Modified-t UCL (Johnson-1978)		8.246
120												
121	Gamma GOF Test											
122					A-D Test Statistic	1.085	Anderson-Darling Gamma GOF Test					
123					5% A-D Critical Value	0.754	Data Not Gamma Distributed at 5% Significance Level					
124					K-S Test Statistic	0.333	Kolmogrov-Smirnoff Gamma GOF Test					
125					5% K-S Critical Value	0.29	Data Not Gamma Distributed at 5% Significance Level					
126	Data Not Gamma Distributed at 5% Significance Level											
127												
128	Gamma Statistics											
129					k hat (MLE)	0.712				k star (bias corrected MLE)		0.549
130					Theta hat (MLE)	5.886				Theta star (bias corrected MLE)		7.637
131					nu hat (MLE)	12.81				nu star (bias corrected)		9.875
132					MLE Mean (bias corrected)	4.19				MLE Sd (bias corrected)		5.657
133										Approximate Chi Square Value (0.05)		3.864
134					Adjusted Level of Significance	0.0231				Adjusted Chi Square Value		3.112
135												
136	Assuming Gamma Distribution											
137				95% Approximate Gamma UCL (use when n>=50))		10.71				95% Adjusted Gamma UCL (use when n<50)		13.29
138												
139	Lognormal GOF Test											
140					Shapiro Wilk Test Statistic	0.847	Shapiro Wilk Lognormal GOF Test					
141					5% Shapiro Wilk Critical Value	0.829	Data appear Lognormal at 5% Significance Level					
142					Lilliefors Test Statistic	0.252	Lilliefors Lognormal GOF Test					
143					5% Lilliefors Critical Value	0.295	Data appear Lognormal at 5% Significance Level					
144	Data appear Lognormal at 5% Significance Level											
145												
146	Lognormal Statistics											
147					Minimum of Logged Data	-0.817				Mean of logged Data		0.586
148					Maximum of Logged Data	2.833				SD of logged Data		1.288
149												
150	Assuming Lognormal Distribution											
151					95% H-UCL	24.46				90% Chebyshev (MVUE) UCL		8.374
152					95% Chebyshev (MVUE) UCL	10.54				97.5% Chebyshev (MVUE) UCL		13.56
153					99% Chebyshev (MVUE) UCL	19.47						
154												
155	Nonparametric Distribution Free UCL Statistics											
156	Data appear to follow a Discernible Distribution at 5% Significance Level											
157												
158	Nonparametric Distribution Free UCLs											
159					95% CLT UCL	7.604				95% Jackknife UCL		8.05

	A	B	C	D	E	F	G	H	I	J	K	L
160					95% Standard Bootstrap UCL	7.427					95% Bootstrap-t UCL	43.44
161					95% Hall's Bootstrap UCL	34.18					95% Percentile Bootstrap UCL	7.729
162					95% BCA Bootstrap UCL	8.676						
163					90% Chebyshev(Mean, Sd) UCL	10.42					95% Chebyshev(Mean, Sd) UCL	13.24
164					97.5% Chebyshev(Mean, Sd) UCL	17.15					99% Chebyshev(Mean, Sd) UCL	24.84
165												
166					**Suggested UCL to Use**							
167					95% Chebyshev (Mean, Sd) UCL	13.24						
168												
169					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
170					These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
171					and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.							
172					For additional insight the user may want to consult a statistician.							
173												
174												
175	**LeadSTLC (mvp2)**											
176												
177					**General Statistics**							
178					Total Number of Observations	9					Number of Distinct Observations	8
179											Number of Missing Observations	0
180					Minimum	0.162					Mean	1.31
181					Maximum	6.2					Median	0.931
182					SD	1.89					Std. Error of Mean	0.63
183					Coefficient of Variation	1.444					Skewness	2.666
184												
185					**Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use**							
186					**guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.**							
187					**For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).**							
188					**Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0**							
189												
190					**Normal GOF Test**							
191					Shapiro Wilk Test Statistic	0.606	**Shapiro Wilk GOF Test**					
192					5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level					
193					Lilliefors Test Statistic	0.395	**Lilliefors GOF Test**					
194					5% Lilliefors Critical Value	0.295	Data Not Normal at 5% Significance Level					
195					**Data Not Normal at 5% Significance Level**							
196												
197					**Assuming Normal Distribution**							
198					**95% Normal UCL**		**95% UCLs (Adjusted for Skewness)**					
199					95% Student's-t UCL	2.481					95% Adjusted-CLT UCL (Chen-1995)	2.945
200											95% Modified-t UCL (Johnson-1978)	2.575
201												
202					**Gamma GOF Test**							
203					A-D Test Statistic	0.606	**Anderson-Darling Gamma GOF Test**					
204					5% A-D Critical Value	0.747	Detected data appear Gamma Distributed at 5% Significance Level					
205					K-S Test Statistic	0.257	**Kolmogrov-Smirnoff Gamma GOF Test**					
206					5% K-S Critical Value	0.288	Detected data appear Gamma Distributed at 5% Significance Level					
207					**Detected data appear Gamma Distributed at 5% Significance Level**							
208												
209					**Gamma Statistics**							
210					k hat (MLE)	0.903					k star (bias corrected MLE)	0.676
211					Theta hat (MLE)	1.45					Theta star (bias corrected MLE)	1.937
212					nu hat (MLE)	16.26					nu star (bias corrected)	12.17

	A	B	C	D	E	F	G	H	I	J	K	L
213					MLE Mean (bias corrected)	1.31					MLE Sd (bias corrected)	1.593
214											Approximate Chi Square Value (0.05)	5.339
215					Adjusted Level of Significance	0.0231					Adjusted Chi Square Value	4.424
216												
217					**Assuming Gamma Distribution**							
218				95% Approximate Gamma UCL (use when n>=50)		2.985					95% Adjusted Gamma UCL (use when n<50)	3.603
219												
220					**Lognormal GOF Test**							
221					Shapiro Wilk Test Statistic	0.918			**Shapiro Wilk Lognormal GOF Test**			
222					5% Shapiro Wilk Critical Value	0.829			Data appear Lognormal at 5% Significance Level			
223					Lilliefors Test Statistic	0.184			**Lilliefors Lognormal GOF Test**			
224					5% Lilliefors Critical Value	0.295			Data appear Lognormal at 5% Significance Level			
225					**Data appear Lognormal at 5% Significance Level**							
226												
227					**Lognormal Statistics**							
228					Minimum of Logged Data	-1.818					Mean of logged Data	-0.377
229					Maximum of Logged Data	1.825					SD of logged Data	1.164
230												
231					**Assuming Lognormal Distribution**							
232					95% H-UCL	5.977					90% Chebyshev (MVUE) UCL	2.679
233					95% Chebyshev (MVUE) UCL	3.343					97.5% Chebyshev (MVUE) UCL	4.265
234					99% Chebyshev (MVUE) UCL	6.075						
235												
236					**Nonparametric Distribution Free UCL Statistics**							
237					**Data appear to follow a Discernible Distribution at 5% Significance Level**							
238												
239					**Nonparametric Distribution Free UCLs**							
240					95% CLT UCL	2.346					95% Jackknife UCL	2.481
241					95% Standard Bootstrap UCL	2.29					95% Bootstrap-t UCL	4.603
242					95% Hall's Bootstrap UCL	6.416					95% Percentile Bootstrap UCL	2.416
243					95% BCA Bootstrap UCL	2.993						
244					90% Chebyshev(Mean, Sd) UCL	3.2					95% Chebyshev(Mean, Sd) UCL	4.056
245					97.5% Chebyshev(Mean, Sd) UCL	5.245					99% Chebyshev(Mean, Sd) UCL	7.58
246												
247					**Suggested UCL to Use**							
248					95% Adjusted Gamma UCL	3.603						
249												
250					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
251					These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
252					and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.							
253					For additional insight the user may want to consult a statistician.							
254												
255												
256	**LeadSTLC (mvp3)**											
257												
258					**General Statistics**							
259					Total Number of Observations	9					Number of Distinct Observations	9
260											Number of Missing Observations	0
261					Minimum	0.169					Mean	1.248
262					Maximum	5					Median	0.243
263					SD	1.875					Std. Error of Mean	0.625
264					Coefficient of Variation	1.502					Skewness	1.632
265												

	A	B	C	D	E	F	G	H	I	J	K	L
266	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
267	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
268	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
269	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
270												
271	Normal GOF Test											
272					Shapiro Wilk Test Statistic	0.638	Shapiro Wilk GOF Test					
273					5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level					
274					Lilliefors Test Statistic	0.36	Lilliefors GOF Test					
275					5% Lilliefors Critical Value	0.295	Data Not Normal at 5% Significance Level					
276	Data Not Normal at 5% Significance Level											
277												
278	Assuming Normal Distribution											
279			95% Normal UCL				95% UCLs (Adjusted for Skewness)					
280					95% Student's-t UCL	2.411			95% Adjusted-CLT UCL (Chen-1995)			2.64
281									95% Modified-t UCL (Johnson-1978)			2.468
282												
283	Gamma GOF Test											
284					A-D Test Statistic	1.252	Anderson-Darling Gamma GOF Test					
285					5% A-D Critical Value	0.759	Data Not Gamma Distributed at 5% Significance Level					
286					K-S Test Statistic	0.357	Kolmogrov-Smirnoff Gamma GOF Test					
287					5% K-S Critical Value	0.291	Data Not Gamma Distributed at 5% Significance Level					
288	Data Not Gamma Distributed at 5% Significance Level											
289												
290	Gamma Statistics											
291					k hat (MLE)	0.657			k star (bias corrected MLE)			0.512
292					Theta hat (MLE)	1.899			Theta star (bias corrected MLE)			2.436
293					nu hat (MLE)	11.83			nu star (bias corrected)			9.223
294					MLE Mean (bias corrected)	1.248			MLE Sd (bias corrected)			1.744
295									Approximate Chi Square Value (0.05)			3.462
296					Adjusted Level of Significance	0.0231			Adjusted Chi Square Value			2.76
297												
298	Assuming Gamma Distribution											
299					95% Approximate Gamma UCL (use when n>=50))	3.326			95% Adjusted Gamma UCL (use when n<50)			4.172
300												
301	Lognormal GOF Test											
302					Shapiro Wilk Test Statistic	0.766	Shapiro Wilk Lognormal GOF Test					
303					5% Shapiro Wilk Critical Value	0.829	Data Not Lognormal at 5% Significance Level					
304					Lilliefors Test Statistic	0.312	Lilliefors Lognormal GOF Test					
305					5% Lilliefors Critical Value	0.295	Data Not Lognormal at 5% Significance Level					
306	Data Not Lognormal at 5% Significance Level											
307												
308	Lognormal Statistics											
309					Minimum of Logged Data	-1.778			Mean of logged Data			-0.705
310					Maximum of Logged Data	1.609			SD of logged Data			1.351
311												
312	Assuming Lognormal Distribution											
313					95% H-UCL	8.582			90% Chebyshev (MVUE) UCL			2.524
314					95% Chebyshev (MVUE) UCL	3.191			97.5% Chebyshev (MVUE) UCL			4.117
315					99% Chebyshev (MVUE) UCL	5.936						
316												
317	Nonparametric Distribution Free UCL Statistics											
318	Data do not follow a Discernible Distribution (0.05)											

	A	B	C	D	E	F	G	H	I	J	K	L
319												
320						Nonparametric Distribution Free UCLs						
321					95% CLT UCL	2.277				95% Jackknife UCL		2.411
322					95% Standard Bootstrap UCL	2.226				95% Bootstrap-t UCL		8.622
323					95% Hall's Bootstrap UCL	12.27				95% Percentile Bootstrap UCL		2.304
324					95% BCA Bootstrap UCL	2.537						
325					90% Chebyshev(Mean, Sd) UCL	3.124				95% Chebyshev(Mean, Sd) UCL		3.973
326					97.5% Chebyshev(Mean, Sd) UCL	5.152				99% Chebyshev(Mean, Sd) UCL		7.468
327												
328						Suggested UCL to Use						
329					95% Hall's Bootstrap UCL	12.27						
330												
331						Recommended UCL exceeds the maximum observation						
332												
333						In Case Bootstrap t and/or Hall's Bootstrap yields an unreasonably large UCL value, use 97.5% or 99% Chebyshev (Mean, Sd) UCL						
334												
335						Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.						
336						These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)						
337						and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.						
338						For additional insight the user may want to consult a statistician.						
339												
340												
341	LeadSTLC (mvp4)											
342												
343						General Statistics						
344					Total Number of Observations	9				Number of Distinct Observations		9
345										Number of Missing Observations		0
346					Minimum	0.166				Mean		0.274
347					Maximum	0.515				Median		0.253
348					SD	0.11				Std. Error of Mean		0.0367
349					Coefficient of Variation	0.403				Skewness		1.482
350												
351						Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use						
352						guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.						
353						For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).						
354						Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0						
355												
356						Normal GOF Test						
357					Shapiro Wilk Test Statistic	0.862				Shapiro Wilk GOF Test		
358					5% Shapiro Wilk Critical Value	0.829				Data appear Normal at 5% Significance Level		
359					Lilliefors Test Statistic	0.202				Lilliefors GOF Test		
360					5% Lilliefors Critical Value	0.295				Data appear Normal at 5% Significance Level		
361						Data appear Normal at 5% Significance Level						
362												
363						Assuming Normal Distribution						
364					95% Normal UCL					95% UCLs (Adjusted for Skewness)		
365					95% Student's-t UCL	0.342				95% Adjusted-CLT UCL (Chen-1995)		0.354
366										95% Modified-t UCL (Johnson-1978)		0.345
367												
368						Gamma GOF Test						
369					A-D Test Statistic	0.344				Anderson-Darling Gamma GOF Test		
370					5% A-D Critical Value	0.722				Detected data appear Gamma Distributed at 5% Significance Level		
371					K-S Test Statistic	0.164				Kolmogrov-Smirnoff Gamma GOF Test		

	A	B	C	D	E	F	G	H	I	J	K	L
372					5% K-S Critical Value	0.28	Detected data appear Gamma Distributed at 5% Significance Level					
373	**Detected data appear Gamma Distributed at 5% Significance Level**											
374												
375	**Gamma Statistics**											
376					k hat (MLE)	8.269				k star (bias corrected MLE)		5.587
377					Theta hat (MLE)	0.0331				Theta star (bias corrected MLE)		0.049
378					nu hat (MLE)	148.8				nu star (bias corrected)		100.6
379					MLE Mean (bias corrected)	0.274				MLE Sd (bias corrected)		0.116
380										Approximate Chi Square Value (0.05)		78.42
381					Adjusted Level of Significance	0.0231				Adjusted Chi Square Value		74.31
382												
383	**Assuming Gamma Distribution**											
384				95% Approximate Gamma UCL (use when n>=50))		0.351				95% Adjusted Gamma UCL (use when n<50)		0.37
385												
386	**Lognormal GOF Test**											
387					Shapiro Wilk Test Statistic	0.945	**Shapiro Wilk Lognormal GOF Test**					
388					5% Shapiro Wilk Critical Value	0.829	Data appear Lognormal at 5% Significance Level					
389					Lilliefors Test Statistic	0.147	**Lilliefors Lognormal GOF Test**					
390					5% Lilliefors Critical Value	0.295	Data appear Lognormal at 5% Significance Level					
391	**Data appear Lognormal at 5% Significance Level**											
392												
393	**Lognormal Statistics**											
394					Minimum of Logged Data	-1.798				Mean of logged Data		-1.357
395					Maximum of Logged Data	-0.664				SD of logged Data		0.36
396												
397	**Assuming Lognormal Distribution**											
398					95% H-UCL	0.358				90% Chebyshev (MVUE) UCL		0.371
399					95% Chebyshev (MVUE) UCL	0.416				97.5% Chebyshev (MVUE) UCL		0.478
400					99% Chebyshev (MVUE) UCL	0.6						
401												
402	**Nonparametric Distribution Free UCL Statistics**											
403	**Data appear to follow a Discernible Distribution at 5% Significance Level**											
404												
405	**Nonparametric Distribution Free UCLs**											
406					95% CLT UCL	0.334				95% Jackknife UCL		0.342
407					95% Standard Bootstrap UCL	0.33				95% Bootstrap-t UCL		0.409
408					95% Hall's Bootstrap UCL	0.637				95% Percentile Bootstrap UCL		0.333
409					95% BCA Bootstrap UCL	0.351						
410					90% Chebyshev(Mean, Sd) UCL	0.384				95% Chebyshev(Mean, Sd) UCL		0.434
411					97.5% Chebyshev(Mean, Sd) UCL	0.503				99% Chebyshev(Mean, Sd) UCL		0.639
412												
413	**Suggested UCL to Use**											
414					95% Student's-t UCL	0.342						
415												
416	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
417	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
418	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
419	For additional insight the user may want to consult a statistician.											
420												
421												
422	**LeadSTLC (mvp5)**											
423												
424	**General Statistics**											

	A	B	C	D	E	F	G	H	I	J	K	L
425					Total Number of Observations	9					Number of Distinct Observations	8
426											Number of Missing Observations	0
427					Minimum	0.179					Mean	0.706
428					Maximum	1.9					Median	0.702
429					SD	0.587					Std. Error of Mean	0.196
430					Coefficient of Variation	0.831					Skewness	1.08
431												
432					**Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use**							
433					**guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.**							
434					**For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).**							
435					**Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0**							
436												
437					**Normal GOF Test**							
438					Shapiro Wilk Test Statistic	0.863	**Shapiro Wilk GOF Test**					
439					5% Shapiro Wilk Critical Value	0.829	Data appear Normal at 5% Significance Level					
440					Lilliefors Test Statistic	0.221	**Lilliefors GOF Test**					
441					5% Lilliefors Critical Value	0.295	Data appear Normal at 5% Significance Level					
442					**Data appear Normal at 5% Significance Level**							
443												
444					**Assuming Normal Distribution**							
445					**95% Normal UCL**		**95% UCLs (Adjusted for Skewness)**					
446					95% Student's-t UCL	1.07					95% Adjusted-CLT UCL (Chen-1995)	1.103
447											95% Modified-t UCL (Johnson-1978)	1.081
448												
449					**Gamma GOF Test**							
450					A-D Test Statistic	0.472	**Anderson-Darling Gamma GOF Test**					
451					5% A-D Critical Value	0.733	Detected data appear Gamma Distributed at 5% Significance Level					
452					K-S Test Statistic	0.236	**Kolmogrov-Smirnoff Gamma GOF Test**					
453					5% K-S Critical Value	0.284	Detected data appear Gamma Distributed at 5% Significance Level					
454					**Detected data appear Gamma Distributed at 5% Significance Level**							
455												
456					**Gamma Statistics**							
457					k hat (MLE)	1.629					k star (bias corrected MLE)	1.16
458					Theta hat (MLE)	0.433					Theta star (bias corrected MLE)	0.608
459					nu hat (MLE)	29.32					nu star (bias corrected)	20.88
460					MLE Mean (bias corrected)	0.706					MLE Sd (bias corrected)	0.655
461											Approximate Chi Square Value (0.05)	11.5
462					Adjusted Level of Significance	0.0231					Adjusted Chi Square Value	10.07
463												
464					**Assuming Gamma Distribution**							
465					95% Approximate Gamma UCL (use when n>=50))	1.281					95% Adjusted Gamma UCL (use when n<50)	1.464
466												
467					**Lognormal GOF Test**							
468					Shapiro Wilk Test Statistic	0.889	**Shapiro Wilk Lognormal GOF Test**					
469					5% Shapiro Wilk Critical Value	0.829	Data appear Lognormal at 5% Significance Level					
470					Lilliefors Test Statistic	0.213	**Lilliefors Lognormal GOF Test**					
471					5% Lilliefors Critical Value	0.295	Data appear Lognormal at 5% Significance Level					
472					**Data appear Lognormal at 5% Significance Level**							
473												
474					**Lognormal Statistics**							
475					Minimum of Logged Data	-1.721					Mean of logged Data	-0.686
476					Maximum of Logged Data	0.642					SD of logged Data	0.899
477												

	A	B	C	D	E	F	G	H	I	J	K	L
478					Assuming Lognormal Distribution							
479					95% H-UCL	1.969			90% Chebyshev (MVUE) UCL			1.374
480					95% Chebyshev (MVUE) UCL	1.674			97.5% Chebyshev (MVUE) UCL			2.09
481					99% Chebyshev (MVUE) UCL	2.907						
482												
483					Nonparametric Distribution Free UCL Statistics							
484					Data appear to follow a Discernible Distribution at 5% Significance Level							
485												
486					Nonparametric Distribution Free UCLs							
487					95% CLT UCL	1.028			95% Jackknife UCL			1.07
488					95% Standard Bootstrap UCL	1.014			95% Bootstrap-t UCL			1.167
489					95% Hall's Bootstrap UCL	1.191			95% Percentile Bootstrap UCL			1.022
490					95% BCA Bootstrap UCL	1.069						
491					90% Chebyshev(Mean, Sd) UCL	1.293			95% Chebyshev(Mean, Sd) UCL			1.558
492					97.5% Chebyshev(Mean, Sd) UCL	1.927			99% Chebyshev(Mean, Sd) UCL			2.652
493												
494					Suggested UCL to Use							
495					95% Student's-t UCL	1.07						
496												
497					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
498					These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
499					and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.							
500					For additional insight the user may want to consult a statistician.							
501												
502												
503	LeadSTLC (mvp6)											
504												
505					General Statistics							
506					Total Number of Observations	9			Number of Distinct Observations			8
507									Number of Missing Observations			0
508					Minimum	0.334			Mean			6.158
509					Maximum	24			Median			1.68
510					SD	8.18			Std. Error of Mean			2.727
511					Coefficient of Variation	1.328			Skewness			1.579
512												
513					Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use							
514					guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.							
515					For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).							
516					Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0							
517												
518					Normal GOF Test							
519					Shapiro Wilk Test Statistic	0.732			Shapiro Wilk GOF Test			
520					5% Shapiro Wilk Critical Value	0.829			Data Not Normal at 5% Significance Level			
521					Lilliefors Test Statistic	0.375			Lilliefors GOF Test			
522					5% Lilliefors Critical Value	0.295			Data Not Normal at 5% Significance Level			
523					Data Not Normal at 5% Significance Level							
524												
525					Assuming Normal Distribution							
526					95% Normal UCL				95% UCLs (Adjusted for Skewness)			
527					95% Student's-t UCL	11.23			95% Adjusted-CLT UCL (Chen-1995)			12.18
528									95% Modified-t UCL (Johnson-1978)			11.47
529												
530					Gamma GOF Test							

	A	B	C	D	E	F	G	H	I	J	K	L
531					A-D Test Statistic	0.749	**Anderson-Darling Gamma GOF Test**					
532					5% A-D Critical Value	0.755	Detected data appear Gamma Distributed at 5% Significance Level					
533					K-S Test Statistic	0.349	**Kolmogrov-Smirnoff Gamma GOF Test**					
534					5% K-S Critical Value	0.29	Data Not Gamma Distributed at 5% Significance Level					
535	**Detected data follow Appr. Gamma Distribution at 5% Significance Level**											
536												
537	**Gamma Statistics**											
538					k hat (MLE)	0.706				k star (bias corrected MLE)		0.545
539					Theta hat (MLE)	8.726				Theta star (bias corrected MLE)		11.31
540					nu hat (MLE)	12.7				nu star (bias corrected)		9.802
541					MLE Mean (bias corrected)	6.158				MLE Sd (bias corrected)		8.345
542										Approximate Chi Square Value (0.05)		3.819
543					Adjusted Level of Significance	0.0231				Adjusted Chi Square Value		3.072
544												
545	**Assuming Gamma Distribution**											
546					95% Approximate Gamma UCL (use when n>=50)	15.81				95% Adjusted Gamma UCL (use when n<50)		19.65
547												
548	**Lognormal GOF Test**											
549					Shapiro Wilk Test Statistic	0.904	**Shapiro Wilk Lognormal GOF Test**					
550					5% Shapiro Wilk Critical Value	0.829	Data appear Lognormal at 5% Significance Level					
551					Lilliefors Test Statistic	0.289	**Lilliefors Lognormal GOF Test**					
552					5% Lilliefors Critical Value	0.295	Data appear Lognormal at 5% Significance Level					
553	**Data appear Lognormal at 5% Significance Level**											
554												
555	**Lognormal Statistics**											
556					Minimum of Logged Data	-1.097				Mean of logged Data		0.962
557					Maximum of Logged Data	3.178				SD of logged Data		1.418
558												
559	**Assuming Lognormal Distribution**											
560					95% H-UCL	59.84				90% Chebyshev (MVUE) UCL		14.78
561					95% Chebyshev (MVUE) UCL	18.76				97.5% Chebyshev (MVUE) UCL		24.29
562					99% Chebyshev (MVUE) UCL	35.14						
563												
564	**Nonparametric Distribution Free UCL Statistics**											
565	**Data appear to follow a Discernible Distribution at 5% Significance Level**											
566												
567	**Nonparametric Distribution Free UCLs**											
568					95% CLT UCL	10.64				95% Jackknife UCL		11.23
569					95% Standard Bootstrap UCL	10.35				95% Bootstrap-t UCL		15.56
570					95% Hall's Bootstrap UCL	10.61				95% Percentile Bootstrap UCL		10.9
571					95% BCA Bootstrap UCL	12.16						
572					90% Chebyshev(Mean, Sd) UCL	14.34				95% Chebyshev(Mean, Sd) UCL		18.04
573					97.5% Chebyshev(Mean, Sd) UCL	23.19				99% Chebyshev(Mean, Sd) UCL		33.29
574												
575	**Suggested UCL to Use**											
576					95% Adjusted Gamma UCL	19.65						
577												
578	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
579	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
580	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
581	For additional insight the user may want to consult a statistician.											
582												
583												

	A	B	C	D	E	F	G	H	I	J	K	L
584	LeadSTLC (mvp7)											
585												
586	General Statistics											
587	Total Number of Observations					9	Number of Distinct Observations					7
588							Number of Missing Observations					0
589	Minimum					0.192	Mean					0.392
590	Maximum					1.52	Median					0.233
591	SD					0.429	Std. Error of Mean					0.143
592	Coefficient of Variation					1.094	Skewness					2.853
593												
594	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
595	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
596	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
597	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
598												
599	Normal GOF Test											
600	Shapiro Wilk Test Statistic					0.518	Shapiro Wilk GOF Test					
601	5% Shapiro Wilk Critical Value					0.829	Data Not Normal at 5% Significance Level					
602	Lilliefors Test Statistic					0.41	Lilliefors GOF Test					
603	5% Lilliefors Critical Value					0.295	Data Not Normal at 5% Significance Level					
604	Data Not Normal at 5% Significance Level											
605												
606	Assuming Normal Distribution											
607	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
608	95% Student's-t UCL					0.658	95% Adjusted-CLT UCL (Chen-1995)					0.772
609							95% Modified-t UCL (Johnson-1978)					0.68
610												
611	Gamma GOF Test											
612	A-D Test Statistic					1.539	Anderson-Darling Gamma GOF Test					
613	5% A-D Critical Value					0.73	Data Not Gamma Distributed at 5% Significance Level					
614	K-S Test Statistic					0.33	Kolmogrov-Smirnoff Gamma GOF Test					
615	5% K-S Critical Value					0.283	Data Not Gamma Distributed at 5% Significance Level					
616	Data Not Gamma Distributed at 5% Significance Level											
617												
618	Gamma Statistics											
619	k hat (MLE)					1.962	k star (bias corrected MLE)					1.382
620	Theta hat (MLE)					0.2	Theta star (bias corrected MLE)					0.284
621	nu hat (MLE)					35.32	nu star (bias corrected)					24.88
622	MLE Mean (bias corrected)					0.392	MLE Sd (bias corrected)					0.333
623							Approximate Chi Square Value (0.05)					14.52
624	Adjusted Level of Significance					0.0231	Adjusted Chi Square Value					12.88
625												
626	Assuming Gamma Distribution											
627	95% Approximate Gamma UCL (use when n>=50))					0.672	95% Adjusted Gamma UCL (use when n<50)					0.757
628												
629	Lognormal GOF Test											
630	Shapiro Wilk Test Statistic					0.684	Shapiro Wilk Lognormal GOF Test					
631	5% Shapiro Wilk Critical Value					0.829	Data Not Lognormal at 5% Significance Level					
632	Lilliefors Test Statistic					0.311	Lilliefors Lognormal GOF Test					
633	5% Lilliefors Critical Value					0.295	Data Not Lognormal at 5% Significance Level					
634	Data Not Lognormal at 5% Significance Level											
635												
636	Lognormal Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
637					Minimum of Logged Data	-1.649					Mean of logged Data	-1.213
638					Maximum of Logged Data	0.419					SD of logged Data	0.661
639												
640					Assuming Lognormal Distribution							
641					95% H-UCL	0.672					90% Chebyshev (MVUE) UCL	0.603
642					95% Chebyshev (MVUE) UCL	0.714					97.5% Chebyshev (MVUE) UCL	0.867
643					99% Chebyshev (MVUE) UCL	1.167						
644												
645					Nonparametric Distribution Free UCL Statistics							
646					Data do not follow a Discernible Distribution (0.05)							
647												
648					Nonparametric Distribution Free UCLs							
649					95% CLT UCL	0.627					95% Jackknife UCL	0.658
650					95% Standard Bootstrap UCL	0.618					95% Bootstrap-t UCL	1.676
651					95% Hall's Bootstrap UCL	1.593					95% Percentile Bootstrap UCL	0.665
652					95% BCA Bootstrap UCL	0.808						
653					90% Chebyshev(Mean, Sd) UCL	0.821					95% Chebyshev(Mean, Sd) UCL	1.015
654					97.5% Chebyshev(Mean, Sd) UCL	1.284					99% Chebyshev(Mean, Sd) UCL	1.814
655												
656					Suggested UCL to Use							
657					95% Chebyshev (Mean, Sd) UCL	1.015						
658												
659					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
660					These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
661					and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.							
662					For additional insight the user may want to consult a statistician.							
663												
664												
665	LeadSTLC (mvp8)											
666												
667					General Statistics							
668					Total Number of Observations	9					Number of Distinct Observations	9
669											Number of Missing Observations	0
670					Minimum	0.267					Mean	3.228
671					Maximum	10					Median	2.3
672					SD	3.37					Std. Error of Mean	1.123
673					Coefficient of Variation	1.044					Skewness	1.219
674												
675					Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use							
676					guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.							
677					For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).							
678					Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0							
679												
680					Normal GOF Test							
681					Shapiro Wilk Test Statistic	0.849					Shapiro Wilk GOF Test	
682					5% Shapiro Wilk Critical Value	0.829					Data appear Normal at 5% Significance Level	
683					Lilliefors Test Statistic	0.21					Lilliefors GOF Test	
684					5% Lilliefors Critical Value	0.295					Data appear Normal at 5% Significance Level	
685					Data appear Normal at 5% Significance Level							
686												
687					Assuming Normal Distribution							
688					95% Normal UCL						95% UCLs (Adjusted for Skewness)	
689					95% Student's-t UCL	5.317					95% Adjusted-CLT UCL (Chen-1995)	5.563

	A	B	C	D	E	F	G	H	I	J	K	L
690							95% Modified-t UCL (Johnson-1978)					5.393
691												
692	Gamma GOF Test											
693	A-D Test Statistic					0.271	Anderson-Darling Gamma GOF Test					
694	5% A-D Critical Value					0.746	Detected data appear Gamma Distributed at 5% Significance Level					
695	K-S Test Statistic					0.184	Kolmogrov-Smirnoff Gamma GOF Test					
696	5% K-S Critical Value					0.288	Detected data appear Gamma Distributed at 5% Significance Level					
697	Detected data appear Gamma Distributed at 5% Significance Level											
698												
699	Gamma Statistics											
700	k hat (MLE)					0.935	k star (bias corrected MLE)					0.698
701	Theta hat (MLE)					3.45	Theta star (bias corrected MLE)					4.626
702	nu hat (MLE)					16.84	nu star (bias corrected)					12.56
703	MLE Mean (bias corrected)					3.228	MLE Sd (bias corrected)					3.864
704							Approximate Chi Square Value (0.05)					5.597
705	Adjusted Level of Significance					0.0231	Adjusted Chi Square Value					4.655
706												
707	Assuming Gamma Distribution											
708	95% Approximate Gamma UCL (use when n>=50))					7.242	95% Adjusted Gamma UCL (use when n<50)					8.707
709												
710	Lognormal GOF Test											
711	Shapiro Wilk Test Statistic					0.943	Shapiro Wilk Lognormal GOF Test					
712	5% Shapiro Wilk Critical Value					0.829	Data appear Lognormal at 5% Significance Level					
713	Lilliefors Test Statistic					0.158	Lilliefors Lognormal GOF Test					
714	5% Lilliefors Critical Value					0.295	Data appear Lognormal at 5% Significance Level					
715	Data appear Lognormal at 5% Significance Level											
716												
717	Lognormal Statistics											
718	Minimum of Logged Data					-1.319	Mean of logged Data					0.55
719	Maximum of Logged Data					2.303	SD of logged Data					1.295
720												
721	Assuming Lognormal Distribution											
722	95% H-UCL					24.18	90% Chebyshev (MVUE) UCL					8.155
723	95% Chebyshev (MVUE) UCL					10.27	97.5% Chebyshev (MVUE) UCL					13.21
724	99% Chebyshev (MVUE) UCL					18.99						
725												
726	Nonparametric Distribution Free UCL Statistics											
727	Data appear to follow a Discernible Distribution at 5% Significance Level											
728												
729	Nonparametric Distribution Free UCLs											
730	95% CLT UCL					5.075	95% Jackknife UCL					5.317
731	95% Standard Bootstrap UCL					4.974	95% Bootstrap-t UCL					6.501
732	95% Hall's Bootstrap UCL					8.588	95% Percentile Bootstrap UCL					5.057
733	95% BCA Bootstrap UCL					5.387						
734	90% Chebyshev(Mean, Sd) UCL					6.598	95% Chebyshev(Mean, Sd) UCL					8.125
735	97.5% Chebyshev(Mean, Sd) UCL					10.24	99% Chebyshev(Mean, Sd) UCL					14.41
736												
737	Suggested UCL to Use											
738	95% Student's-t UCL					5.317						
739												
740	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
741	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
742	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											

	A	B	C	D	E	F	G	H	I	J	K	L
743	For additional insight the user may want to consult a statistician.											
744												
745												
746	LeadSTLC (mvp9)											
747												
748	General Statistics											
749					Total Number of Observations	9			Number of Distinct Observations			9
750									Number of Missing Observations			0
751					Minimum	0.182			Mean			0.653
752					Maximum	3			Median			0.267
753					SD	0.932			Std. Error of Mean			0.311
754					Coefficient of Variation	1.427			Skewness			2.495
755												
756	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
757	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
758	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
759	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.0											
760												
761	Normal GOF Test											
762					Shapiro Wilk Test Statistic	0.57			Shapiro Wilk GOF Test			
763					5% Shapiro Wilk Critical Value	0.829			Data Not Normal at 5% Significance Level			
764					Lilliefors Test Statistic	0.426			Lilliefors GOF Test			
765					5% Lilliefors Critical Value	0.295			Data Not Normal at 5% Significance Level			
766	Data Not Normal at 5% Significance Level											
767												
768	Assuming Normal Distribution											
769				95% Normal UCL					95% UCLs (Adjusted for Skewness)			
770					95% Student's-t UCL	1.231			95% Adjusted-CLT UCL (Chen-1995)			1.44
771									95% Modified-t UCL (Johnson-1978)			1.274
772												
773	Gamma GOF Test											
774					A-D Test Statistic	1.476			Anderson-Darling Gamma GOF Test			
775					5% A-D Critical Value	0.742			Data Not Gamma Distributed at 5% Significance Level			
776					K-S Test Statistic	0.422			Kolmogrov-Smirnoff Gamma GOF Test			
777					5% K-S Critical Value	0.287			Data Not Gamma Distributed at 5% Significance Level			
778	Data Not Gamma Distributed at 5% Significance Level											
779												
780	Gamma Statistics											
781					k hat (MLE)	1.059			k star (bias corrected MLE)			0.78
782					Theta hat (MLE)	0.617			Theta star (bias corrected MLE)			0.838
783					nu hat (MLE)	19.06			nu star (bias corrected)			14.04
784					MLE Mean (bias corrected)	0.653			MLE Sd (bias corrected)			0.74
785									Approximate Chi Square Value (0.05)			6.598
786					Adjusted Level of Significance	0.0231			Adjusted Chi Square Value			5.558
787												
788	Assuming Gamma Distribution											
789					95% Approximate Gamma UCL (use when n>=50))	1.39			95% Adjusted Gamma UCL (use when n<50)			1.65
790												
791	Lognormal GOF Test											
792					Shapiro Wilk Test Statistic	0.731			Shapiro Wilk Lognormal GOF Test			
793					5% Shapiro Wilk Critical Value	0.829			Data Not Lognormal at 5% Significance Level			
794					Lilliefors Test Statistic	0.378			Lilliefors Lognormal GOF Test			
795					5% Lilliefors Critical Value	0.295			Data Not Lognormal at 5% Significance Level			

	A	B	C	D	E	F	G	H	I	J	K	L
796	Data Not Lognormal at 5% Significance Level											
797												
798	Lognormal Statistics											
799					Minimum of Logged Data	-1.702				Mean of logged Data		-0.967
800					Maximum of Logged Data	1.099				SD of logged Data		0.949
801												
802	Assuming Lognormal Distribution											
803					95% H-UCL	1.702				90% Chebyshev (MVUE) UCL		1.107
804					95% Chebyshev (MVUE) UCL	1.356				97.5% Chebyshev (MVUE) UCL		1.701
805					99% Chebyshev (MVUE) UCL	2.378						
806												
807	Nonparametric Distribution Free UCL Statistics											
808	Data do not follow a Discernible Distribution (0.05)											
809												
810	Nonparametric Distribution Free UCLs											
811					95% CLT UCL	1.164				95% Jackknife UCL		1.231
812					95% Standard Bootstrap UCL	1.122				95% Bootstrap-t UCL		9.752
813					95% Hall's Bootstrap UCL	6.454				95% Percentile Bootstrap UCL		1.178
814					95% BCA Bootstrap UCL	1.476						
815					90% Chebyshev(Mean, Sd) UCL	1.585				95% Chebyshev(Mean, Sd) UCL		2.007
816					97.5% Chebyshev(Mean, Sd) UCL	2.593				99% Chebyshev(Mean, Sd) UCL		3.744
817												
818	Suggested UCL to Use											
819					95% Chebyshev (Mean, Sd) UCL	2.007						
820												
821	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
822	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
823	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
824	For additional insight the user may want to consult a statistician.											
825												