Wickham, Jerry, Env. Health

From: Kris Larson [klarson@ninyoandmoore.com]
Sent: Thursday, September 17, 2009 4:53 PM
To: Wickham, Jerry, Env. Health
Cc: Larry Lepore
Subject: East Oakland Sports Center
Attachments: Pages from Y5394-18.00980.pdf; Af1390c77-a6f1-4ffc-9c74-f2f6781d965c.pdf

Jerry,
Attached is a soil sampling report prepared by Baseline consulting from a site in East Oakland. There is also a due diligence section in the first few pages of the document that describes historic site use as agricultural until the 1950s and a recreation facility since then. Baseline based their sampling on the historical property use. I have also attached the analytical data associated with the sampling. We would like to use the soil from this site for the Holland project, and are prepared to do additional sampling and analysis to satisfy the DTSC requirements if need be. Please review this and let me know what you think.

Thanks,.

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BASELINE
ENVIRONMENTAL CONSULTING

27 May 2008
Y5394-18.00980

Gopakumar Nair
Environmental Specialist
Environmental Services Division
City of Oakland, Public Works Agency
250 Frank H. Ogawa, Suite 5301
Oakland, California 94621

Subject: In-situ Soil Characterization Results for the Proposed East Oakland Sports Center in Oakland, California

Dear Mr. Nair:

This report presents the results of soil sampling performed by BASELINE Environmental Consulting ("BASELINE") at the location of the proposed East Oakland Sports Center ("site") in Oakland, California (Figure 1). The proposed East Oakland Sports Center Project ("project") involves the construction of a sports complex and a parking lot that will require excavations of up to seven and 2.5 feet below ground surface ("bgs"), respectively (Figure 2). The purpose of soil sampling was to characterize soils that will be excavated from the project site for off-site disposal to a permitted facility and to evaluate potential impacts on construction worker health and safety. The activities described in this report were performed in accordance with the *Revised Work Scope and Cost Estimate for Soil Sampling at the Proposed East Oakland Sports Center in Oakland, California*, dated 6 March 2008, prepared by BASELINE for the City of Oakland ("City"). The City approved the revised workplan in an electronic mail message to BASELINE, dated 1 April 2008.

SITE HISTORY INVESTIGATION

BASELINE contracted with Environmental Data Resources, Incorporated to conduct a search of aerial photographs and Sanborn fire insurance maps of Ira Jinkins Park, which contains the project site, to determine historical land uses potentially associated with hazardous materials at the project site. Aerial photographs of Ira Jinkins Park and the surrounding areas were available for the following years: 1939, 1946, 1958, 1965, 1982, 1993, and 1998. No Sanborn map was available for the project site. The aerial photographs are included in Attachment A.

Developed use of the project site was apparent as early as 1939, the earliest land use resource available for the project site. The 1939 aerial photograph showed multiple farm houses on the project site, while the surrounding areas appeared to be farmlands. The 1946 aerial photograph showed several large haystacks on Ira Jinkins Park and several

residential communities and civil structures in the surrounding vicinity, indicating that the use of the project site for agricultural purposes continued through at least 1946 while the surrounding vicinity was redeveloped sometime between 1939 and 1946. Between 1946 and 1958, the land use at the project site apparently changed from agricultural to a recreational park, as indicated on the 1958 aerial photograph. The 1958 aerial photograph showed that Ira Jinkins Park, including the project site, was mostly vacant with the exception of a building shown on the current location of the recreational center. The project site apparently remained vacant as shown on aerial photographs after 1958, indicating no other land use occurred at the project site between 1958 to the present. Between 1958 and 1998, the Ira Jinkins Park expanded its facilities with developments that included parking lots, an enlarged recreational center, tennis courts, a baseball field, and a senior center.

The project site was apparently used for agricultural purposes as early as 1939 through at least 1946, and a recreational park from as early as 1958 through the present. Use of the project site for agricultural purposes may have involved activities associated with hazardous materials such as fueling and/or maintenance of agricultural equipment and handling and/or storage of agricultural chemicals. These historic activities may have spilled petroleum-based products and/or persistent agricultural chemicals on the project site that could adversely affect soil quality. The application of persistent agricultural chemicals on the project site may have continued even after 1946 since the project site was subsequently used as a recreational park site, where pesticide chemicals were likely applied on grass portions of the park. Some classes of agricultural chemicals commonly used in the past contained organochlorine pesticides and inorganic compounds (arsenic, copper, lead, and mercury) that can leave harmful residues in shallow soil for many decades. Based on the above information, BASELINE identified the potential contaminants of concern at the project site to be metals, petroleum hydrocarbons, and organochlorine pesticides.

FIELD ACTIVITIES

Prior to field activities, BASELINE procured a well permit from the Alameda County Public Works Agency ("ACPWA") and cleared proposed sampling locations with Underground Service Alert and City staff knowledgeable about the site. A copy of the well permit is included in Attachment B.

On 17 April 2008, BASELINE collected 72 soil samples from 24 boring locations (B1 through B24) shown on Figure 2. BASELINE collected a soil sample at ground surface, one foot bgs, and two feet bgs at the proposed parking area (B1 through B8 on Figure 2). At the location of the proposed sports center, BASELINE collected a soil sample at 2, 4.5, and 6.5 feet bgs (B9 through B24 on Figure 2). The soil samples were collected by driving a five-foot long sampler fitted with a new butyrate liner into the ground using a direct-push drilling rig. The drilling rig was operated by Precision Sampling, Incorporated – a California-licensed driller – under the supervision of a BASELINE professional engineer. The desired sample was cut and sealed with Teflon sheets and plastic end caps. Following

sample collection, the soil samples were labeled with date, time, sampler's initials, and unique sample identification and placed in a cooler containing ice. The soil samples were transported to Curtis and Tompkins, Ltd, a California-certified analytical laboratory, under chain-of-custody procedures.

The 72 soil samples were composited into 18 samples by the analytical laboratory. Compositing of the soil samples was according to the depth interval and location where the samples were collected (for example, the surface samples from locations B1, B2, B3, and B4 were composited into one sample). The 18 composite samples were analyzed for:

- Total extractable petroleum hydrocarbons as diesel ("TEPH-d") and motor oil ("TEPH-mo") in accordance with U.S. Environmental Protection Agency ("EPA") Method 8015M with silica gel cleanup;
- Title 22 metals in accordance with EPA Method 6010B/7470S; and
- Hexavalent chromium ("chromium VI") in accordance with EPA Method 7196.

Based on the initial results for Title 22 metals, select composite samples were also analyzed for soluble lead by the Waste Extraction Test ("WET") method. In addition, six composite samples consisting of the 24 shallow samples (at ground surface at the proposed parking area and at 2 feet bgs at the proposed sports center) were analyzed for organochlorine pesticides in accordance with EPA Method 8081A.

The sampler was steam cleaned between boreholes. All soil borings were grouted in accordance with ACPWA requirements. The soil cuttings and decontamination rinsate water were placed in separate 55-gallon drums. The drums were properly labeled and temporarily stored on the City's Municipal Service Center, located at 7101 Edgewater Drive, pending proper disposal and recycling. On 8 May 2008, Clearwater Environmental Management, Incorporated, under contract with BASELINE, collected the soil and water drums for proper disposal and recycling.

ANALYTICAL RESULTS

Analytical results for petroleum hydrocarbons, Title 22 metals and chromium VI, and soluble lead are summarized in Tables 1 through 3, respectively. The sampling locations are shown on Figure 2. Laboratory reports are included in Attachment C.

Organochlorine Pesticides

The six composite samples consisting of 24 shallow soil samples did not contain organochlorine pesticide compounds above laboratory reporting limits.

Total Extractable Petroleum Hydrocarbons

TEPH-d was reported above laboratory reporting limits in fourteen composite samples (Figure 2 and Table 1). The concentrations of TEPH-d ranged from 1.2 through 12 milligrams per kilogram ("mg/kg"). The laboratory report indicated that the

chromatographic pattern of the composite samples with reported concentrations of TEPH-d did not resemble the diesel standard (Figure 2 and Table 1). TEPH-mo was reported above the laboratory reporting limit of 5 mg/kg in ten composite samples. TEPH-mo in the ten composite samples ranged from 5.8 through 75 mg/kg (Figure 2 and Table 1).

Title 22 Metals and Chromium VI

Concentrations of arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, vanadium, and zinc were reported in all or some of the composite samples (Figure 2 and Table 2). Out of the 18 composite samples, two composite samples (B01,02,03,04;0.0' and B17,18,19,20;2.0') contained total lead that could potentially exceed the soluble threshold limit concentration ("STLC") for lead of 5,000 micrograms per liter ("µg/L") (Figure 2 and Table 2). The laboratory reported WET lead at 1,600 µg/L for composite sample B01,02,03,04;0.0' and 0.71 µg/L for composite sample B17,18,19,20;2.0' (Figure 2 and Table 3). None of the composite samples was analyzed for soluble metals by the TCLP method since all composite samples reported total concentrations below 20 times the federal hazardous waste threshold. Chromium VI was not reported above the laboratory reporting limit of 0.05 mg/kg in any of the composite samples (Figure 2 and Table 2)

EVALUATION OF RESULTS

Soil Classification and Disposal

A soil, once excavated, may be classified as a federal hazardous waste, a California hazardous waste, or a non-hazardous waste depending on its characteristics. A soil is considered a federal hazardous waste if it contains soluble chemicals, determined by the toxicity characteristic leaching procedure ("TCLP"), equal to or greater than the regulatory thresholds established in Title 40 of the Code of Federal Regulations. The TCLP method uses a dilution ratio of 20:1; therefore, a waste with a total concentration equal to or greater than 20 times the federal hazardous waste threshold could potentially be a federal hazardous waste, depending on the amount of total concentration that is soluble. No hazardous waste threshold for total concentrations is specified at the federal level.

In California, a waste is considered hazardous if the total concentration of a chemical is at or above the total threshold limit concentration ("TTLC") or if the soluble concentration of a chemical, determined by the WET method, is at or above the STLC. The WET method uses a dilution ratio of 10:1; therefore, a waste with a total concentration equal to or greater than ten times the STLC value could potentially be a California hazardous waste, depending on the amounts of total chemicals that are soluble. The California hazardous waste criteria are defined in Title 22 of the California Code of Regulations.

A soil that is below the California hazardous waste criteria is considered unlikely to exceed the federal hazardous waste criteria due to a greater dilution ratio used in the TCLP method relative to the WET. A waste that does not meet the federal and the California hazardous waste criteria is considered non-hazardous. In California, federal and California hazardous

wastes are acceptable for disposal at a Class I designated landfill. Non-hazardous wastes are generally accepted at Class II and Class III designated landfills, depending on their permit-to-operate requirements.

The analytical results for Title 22 metals were screened against the federal and state hazardous waste criteria (Tables 2 and 3). None of the composite samples exceeded the federal or state hazardous waste thresholds (Table 2). Based on the analytical results, soils that would be affected by the proposed project would therefore be considered a non-hazardous waste, once excavated.

BASELINE also screened the petroleum hydrocarbons and metals results against the waste acceptance criteria of a local Class III landfill (Tables 1 and 2). The reported concentrations of TEPH-d and TEPH-mo in all composite samples were below the landfill acceptance threshold for petroleum hydrocarbons of 2,500 mg/kg (Table 1). The analytical results for Title 22 metals in all composite samples were below the landfill acceptance criteria for total concentrations; however, the reported concentrations of arsenic, lead, mercury, and vanadium in some or all composite samples were greater than ten times the landfill acceptance criteria for soluble concentrations (Table 2). Concentrations of inorganic compounds that are greater than ten times the acceptance criteria for soluble concentrations at the Class III landfill do not necessarily disqualify acceptance of the waste. The Class III landfill may request additional analyses to determine whether soluble concentrations of a waste would exceed the acceptance criteria for soluble concentrations.

Construction/Trench Worker Health and Safety

The California Regional Water Quality Control Board, San Francisco Bay Region has developed Environmental Screening Levels[1] ("ESLs") for a variety of chemical compounds commonly found on contaminated sites. The ESLs were developed for various exposure scenarios and land uses using conservative (worst-case) assumptions for the San Francisco Bay Area. The screening values, if not exceeded, are considered protective of human health and the environment.

The analytical results for petroleum hydrocarbons and Title 22 metals were screened against ESLs for the construction/trench worker exposure scenario and for residential land use[2] (Tables 1 and 2). None of the composite samples exceeded the ESLs for the construction/trench worker exposure scenario or for residential land use (Tables 1 and 2). BASELINE also screened the analytical results for Title 22 metals against background

[1] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final, November.

[2] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final, November, Table K-3, Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario and Table A for residential land use.

levels published by Lawrence Berkeley National Laboratory.[3] The screening identified two composite samples (B01,02,03,04;0.0' and B17,18,19,20;2.0') that exceeded the published background level for lead of 57 mg/kg and one composite sample (B01,02,03,04;1.0') equaled the published background level for mercury of 0.5 mg/kg (Table 2). The laboratory reported lead at 62 mg/kg for B01,02,03,04;0.0' and 81 mg/kg for B17,18,19,20;2.0' (Table 2).

The screening indicated that the concentrations of inorganic compounds found on the project site are within the range of published background levels and/or below ESLs for construction workers and residential land uses and that soils affected by the proposed project would not be expected to pose a significant health and safety risk to construction workers and to future users of the project site.

CONCLUSIONS

Based on the analytical results of soil samples collected from the project site, the following conclusions were drawn:

- The six shallow composite samples did not contain organochlorine pesticides above laboratory reporting limits. Based on the pesticide results, soils that are within the proposed development area do not appear to have been impacted by agricultural chemical residues.
- The composite samples did not contain chemical compounds at or above the federal and state hazardous waste thresholds. Therefore, the soils that would be affected by the proposed project would be considered a non-hazardous waste, once excavated.
- The analytical results for petroleum hydrocarbons and Title 22 metals in all composite samples were below the waste acceptance criteria of a local Class III landfill for total concentrations. However, the reported concentrations of arsenic, lead, mercury, and vanadium in some or all composite samples were greater than ten times the acceptance criteria for soluble concentrations. Total concentrations that are greater than ten times the acceptance criteria for soluble concentrations do not necessarily disqualify acceptance of the waste.
- The analytical results for petroleum hydrocarbons and Title 22 metals in all composite samples were below the ESLs for the construction worker direct exposure scenario and residential land use. Therefore, soils within the project site would not be expected to pose a health and safety risk to construction workers and to future users of the project site.

[3] Lawrence Berkeley National Laboratory, 2002, *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*, June.

RECOMMENDATIONS

- Prior to construction, the analytical results should be provided to prospective landfills. This report may serve to fulfill a landfill's waste profiling requirements. The prospective landfill may request additional sampling and testing to satisfy profiling requirements.
- The findings of this report should be provided to construction contractors, so that the information can be incorporated into their employee health and safety and hazard communication programs.

If you have any questions or need additional information, please contact us at your convenience.

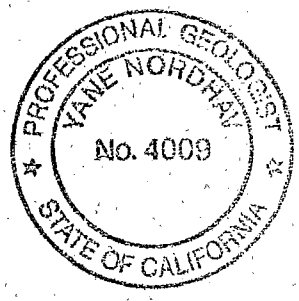
Sincerely,

Yane Nordhav, P.G.
Principal
Professional Geologist No. 4009

Reginald Ramirez, P.E.
Civil Engineer
Professional Engineer C No. 72258

YN:RR:cr

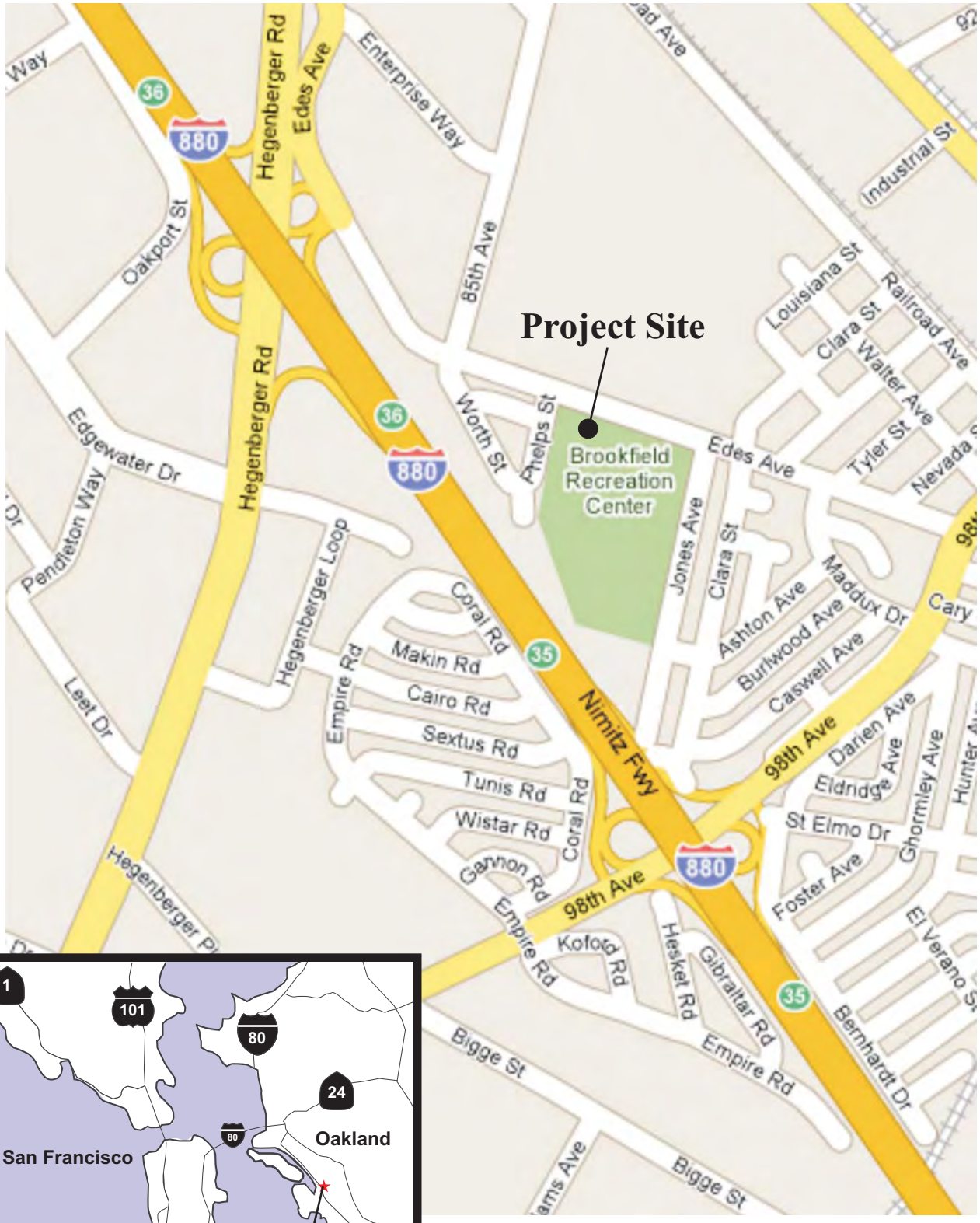
Attachments



FIGURES

REGIONAL LOCATION

Figure 1



Approximate Scale

0 800 Feet

N

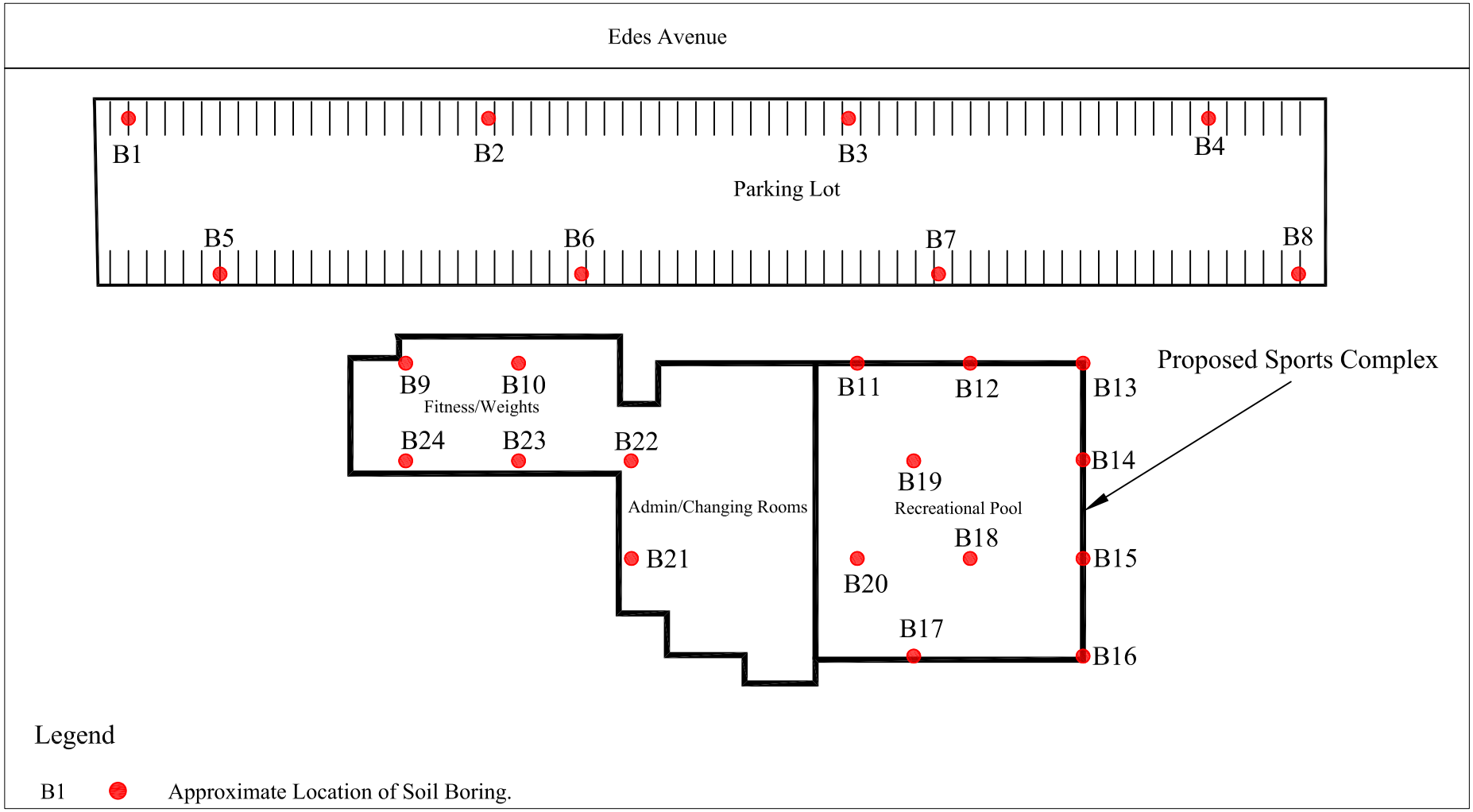
East Oakland Sport Center
Oakland, California

Y5394-18.00980.Fig1.cdr 05/05/08

BASELINE

Soil Sampling Locations

Figure 2



East Oakland Sport Center
Oakland, California

0 50 Feet

BASELINE

Y5394-18.00980.Fig2.dwg 5/22/08

TABLES

TABLE 1: **Soil Analytical Results - Total Extractable Petroleum Hydrocarbons (mg/kg)**
East Oakland Sports Center, Oakland, California

Sample ID	Date	TEPH as diesel		TEPH as motor oil
B01,02,03,04;0.0'	4/17/2008	**7.6**	Y	**75**
B01,02,03,04;1.0'	4/17/2008	**3.2**	Y	**30**
B01,02,03,04;2.0'	4/17/2008	**2.0**	Y	**9.8**
B05,06,07,08;0.0'	4/17/2008	**12**	Y	**71**
B05,06,07,08;1.0'	4/17/2008	**1.3**	Y	**10**
B05,06,07,08;2.0'	4/17/2008	**1.2**	Y	**8.2**
B09,10,11,12;2.0'	4/17/2008	**2.5**	Y	<5.0
B09,10,11,12;4.5'	4/17/2008	<1.0		<5.0
B09,10,11,12;6.5'	4/17/2008	<1.0		<5.0
B13,14,15,16;2.0'	4/17/2008	**3.2**	Y	**13**
B13,14,15,16;4.5'	4/17/2008	**2.5**	Y	<5.0
B13,14,15,16;6.5'	4/17/2008	<1.0		<5.0
B17,18,19,20;2.0'	4/17/2008	**2.8**	Y	**13**
B17,18,19,20;4.5'	4/17/2008	**2.1**	Y	**5.8**
B17,18,19,20;6.5'	4/17/2008	**1.7**	Y	<5.0
B21,22,23,24;2.0'	4/17/2008	**1.3**	Y	<5.0
B21,22,23,24;4.5'	4/17/2008	**2.7**	Y	**6.1**
B21,22,23,24;6.5'	4/17/2008	<0.99		<5.0
ESL for Construction/Trench Worker Exposure Scenario[2]		150[3]		15,000[4]
Residential Land Use ESLs[5]		83		410
Class III Landfill Waste Acceptance Criteria[6]		2,500		2,500

Notes:
See Figure 2 for sampling locations.
Samples were analyzed by EPA Method 8015M with silica gel cleanup.
Laboratory reports are provided in Attachment C.
Bold values indicate concentration was reported above the laboratory reporting limit.
TEPH = total extractable petroleum hydrocarbon.
<x.x = indicates compound was not identified at or above the laboratory reporting limit of xx.
mg/kg = milligrams per kilogram.
Y = sample exhibits chromatographic pattern that does not resemble the standard.

[1] Composite sample of soil samples collected from locations a, b, c, and d at depth e as indicated in the Sample ID (Ba,b,c,d,e).

[2] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , Interim Final, November, Table K-3, Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario.

[3] Middle distillates.

[4] Residual distillates.

[5] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , Interim Final, November, Table A, Environmental Screening Levels (ESLs), Shallow Soils (≤3m bgs), Groundwater IS a Current or Potential Source of Drinking Water.

[6] Petroleum hydrocarbon threshold for Ox Mountain Sanitary Landfill is based on the January 2005 Waste Acceptance Guidelines.

TABLE 2: **Soil Analytical Results - Title 22 Metals and Chromium VI (mg/kg)**
East Oakland Sports Center, Oakland, California

Sample ID[1]	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B01,02,03,04;0.0'	4/17/2008	<0.50	**9.3**	**120**	**0.33**	**0.38**	**30**	<0.05	**7.7**	**24**	**62**	**0.10**	**1.0**	**31**	<0.50	<0.25	<0.50	**28**	**120**
B01,02,03,04;1.0'	4/17/2008	<0.50	**4.9**	**130**	**0.33**	<0.25	**34**	<0.05	**10**	**23**	**22**	**0.50**	**0.43**	**62**	<0.50	<0.25	<0.50	**34**	**60**
B01,02,03,04;2.0'	4/17/2008	<0.50	**5.2**	**170**	**0.44**	<0.25	**28**	<0.05	**10**	**17**	**9.8**	**0.063**	**0.43**	**40**	**1.1**	<0.25	<0.50	**29**	**38**
B05,06,07,08;0.0'	4/17/2008	<0.50	**6.3**	**140**	**0.38**	**0.33**	**33**	<0.05	**9.2**	**22**	**36**	**0.081**	**0.61**	**38**	<0.50	<0.25	<0.50	**30**	**67**
B05,06,07,08;1.0'	4/17/2008	<0.50	**5.8**	**200**	**0.40**	**0.37**	**33**	<0.05	**9.9**	**52**	**31**	**0.11**	**0.83**	**47**	<0.50	<0.25	<0.50	**32**	**60**
B05,06,07,08;2.0'	4/17/2008	<0.50	**8.1**	**170**	**0.44**	<0.25	**29**	<0.05	**9.4**	**19**	**16**	**0.068**	**0.43**	**37**	<0.50	<0.25	<0.50	**30**	**51**
B09,10,11,12;2.0'	4/17/2008	<0.50	**4.2**	**140**	**0.51**	<0.25	**29**	<0.05	**9.9**	**16**	**8.0**	**0.04**	**0.38**	**39**	<0.50	<0.25	<0.50	**24**	**35**
B09,10,11,12;4.5'	4/17/2008	<0.50	**4.8**	**150**	**0.45**	<0.25	**29**	<0.05	**7.9**	**12**	**5.9**	**0.087**	<0.25	**41**	<0.50	<0.25	<0.50	**26**	**34**
B09,10,11,12;6.5'	4/17/2008	<0.50	**4.9**	**150**	**0.45**	<0.25	**32**	<0.05	**13**	**15**	**6.9**	**0.065**	**0.35**	**57**	<0.50	<0.25	<0.50	**26**	**43**
B13,14,15,16;2.0'	4/17/2008	<0.50	**5.3**	**180**	**0.38**	**0.26**	**32**	<0.05	**13**	**48**	**47**	**0.35**	**0.47**	**47**	<0.50	<0.25	<0.50	**30**	**88**
B13,14,15,16;4.5'	4/17/2008	<0.50	**5.4**	**150**	**0.45**	<0.25	**31**	<0.05	**10**	**14**	**6.8**	**0.25**	**0.47**	**46**	<0.50	<0.25	<0.50	**32**	**39**
B13,14,15,16;6.5'	4/17/2008	<0.50	**5.1**	**130**	**0.37**	<0.25	**30**	<0.05	**9.2**	**11**	**5.8**	**0.066**	**0.33**	**47**	<0.50	<0.25	<0.50	**30**	**35**
B17,18,19,20;2.0'	4/17/2008	<0.50	**5.8**	**210**	**0.43**	**0.34**	**33**	<0.05	**10**	**27**	**81**	**0.15**	**0.51**	**44**	<0.50	<0.25	<0.50	**33**	**120**
B17,18,19,20;4.5'	4/17/2008	<0.50	**5.6**	**180**	**0.43**	<0.25	**31**	<0.05	**15**	**16**	**7.5**	**0.11**	**0.47**	**60**	<0.50	<0.25	<0.50	**47**	**47**
B17,18,19,20;6.5'	4/17/2008	<0.50	**4.9**	**180**	**0.38**	<0.25	**30**	<0.05	**7.0**	**11**	**5.4**	**0.091**	**0.43**	**37**	<0.50	<0.25	<0.50	**28**	**34**
B21,22,23,24;2.0'	4/17/2008	<0.50	**5.6**	**170**	**0.55**	<0.25	**33**	<0.05	**11**	**18**	**13**	**0.043**	**0.55**	**39**	<0.50	<0.25	<0.50	**32**	**46**
B21,22,23,24;4.5'	4/17/2008	<0.50	**5.2**	**250**	**0.48**	<0.25	**31**	<0.05	**14**	**15**	**7.0**	**0.065**	**0.49**	**55**	<0.50	<0.25	<0.50	**28**	**36**
B21,22,23,24;6.5'	4/17/2008	<0.50	**6.5**	**260**	**0.43**	**0.31**	**32**	<0.05	**19**	**16**	**7.0**	**0.23**	**0.54**	**52**	<0.50	<0.25	<0.50	**32**	**35**
TTLC (mg/kg)[2]		500	500	10,000	75	100	2,500	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/L)[3]		15	5	100	0.75	1	5[10]	5	80	25	5	0.2	350	20	1	5	7	24	250
Federal Hazardous Waste Criteria (mg/L)[4]		--	5	100	--	1	5	--	--	--	--	0.2	--	--	1	5	--	--	--
ESL for Construction/Trench Worker Exposure Scenario (mg/kg)[5]		280	14	2,600	98	39	--	0.53	94	280,000	750	33	3,600	260	3,600	3,600	57	710	210,000
Residential Land Use ESLs[6]		6.1	0.38	750	4	1.7	750	8	40	230	200	1.0	40	150	10	20	1.2	15	600
LBNL Background[7]		<10	24	410	1.1	5.6	120	--	25	63	57	0.5	<5	270	5.1	3	10	90	140
Class III Acceptance Criteria Total Threshold Concentration (mg/kg)[8]		500	500	10,000	75	100	500	--	8,000	2,500	350	20	3,500	2,000	100	500	700	2,400	5,000
Class III Acceptance Criteria Soluble Threshold Concentration (mg/kg)[9]		0.4	0.4	80	0.08	0.4	4.0	--	4.0	16	1.2	0.00096	0.8	8.0	0.8	4.0	0.16	1.6	160

TABLE 2: **Soil Analytical Results - Title 22 Metals and Chromium VI (mg/kg)**
East Oakland Sports Center, Oakland, California

Notes:

See Figure 2 for sampling locations.

See Table 3 for soluble lead results.

Samples were analyzed for Title 22 metals by EPA Method 6010B/7470S and hexavalent chromium (chromium VI) (EPA Method 7196).

Laboratory reports are provided in Attachment C.

Bold values indicate concentration was reported above the laboratory reporting limit.

Cells with bold border indicate total concentrations exceed ten times the corresponding Soluble Threshold Limit Concentration (STLC) value.

Yellow shaded cells indicate concentrations reported at or above background levels published by Lawrence Berkeley National Laboratory (LBNL) and above the soluble threshold concentration of a Class III landfill.

Green shaded cells indicate total concentration greater than ten times the soluble threshold concentration of a Class III landfill.

Title 22 = the seventeen inorganic compounds listed in Title 22 of the California Code of Regulations.

<x.x = indicates compound was not identified at or above the laboratory reporting limit of xx.

mg/kg = milligrams per kilogram.

mg/L = milligrams per liter.

-- = not established.

ESL = environmental screening level.

[1] Composite sample of soil samples collected from locations a, b, c, and d at depth e as indicated in the Sample ID (Ba,b,c,d,e).

[2] A soil that contains at least one compound at or above the Total Threshold Limit Concentration (TTLC) value is considered a California hazardous waste once excavated.

[3] A soil, once excavated, is considered a California hazardous waste if it contains soluble concentrations, as determined by the Waste Extraction Test (WET) method, equal to or greater than the STLC.

[4] A soil, once excavated, is considered a federal hazardous waste if it contains soluble chemicals above the Toxicity Characteristic Leaching Procedure (TCLP).

[5] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , Interim Final, November, Table K-3, Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario.

[6] California Regional Water Quality Control Board, San Francisco Bay Region, 2007, S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , Interim Final, November, Table A, Environmental Screening Levels (ESLs), Shallow Soils (≤3m bgs), Groundwater IS a Current or Potential Source of Drinking Water.

[7] Lawrence Berkeley National Laboratory, 2002, Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory, June.

[8] Total threshold concentrations for Ox Mountain Sanitary Landfill are based on the January 2005 Waste Acceptance Guidelines.

[9] Soluble threshold concentrations, determined by the WET method, for Ox Mountain Sanitary Landfill are based on the January 2005 Waste Acceptance Guidelines.

[10] If the soluble chromium, as determined by the TCLP, is less than 5 mg/L, and the soluble chromium, as determined by the WET method, equals or exceeds 560 mg/L and the waste is not otherwise identified as a federal hazardous waste, then the waste is a California hazardous waste.

TABLE 3: **Soil Analytical Results - Soluble Lead (µg/L)**
East Oakland Sports Center, Oakland, California

Sample ID[1]	Date	Lead
B01,02,03,04;0.0'	4/17/2008	1,600
B17,18,19,20;2.0'	4/17/2008	710
STLC Limit[2]		5,000

Notes:
See Figure 2 for sampling locations.
Samples were analyzed for soluble lead by the Waste Extraction Test (WET) method.
Laboratory reports are provided in Attachment C.
µg/L = micrograms per liter.

[1] Composite sample of soil samples collected from locations a, b, c, and d at depth e as indicated in the Sample ID (Ba,b,c,d,e).
[2] A soil, once excavated, is considered a California hazardous waste if it contains soluble concentrations, as determined by the WET method, equal to or greater than the Soluble Threshold Limit Concentration (STLC).

S&S TRUCKING

477 ROLAND WAY
OAKLAND, CA 94621
PH:510-383-3556 / FX:510-383-2917

FACSIMILE TRANSMITTAL SHEET

TO: Darren Hiatt	FROM: Frank
COMPANY: OC Jones	DATE: 9-17-09
FAX NUMBER: 809-3591	TOTAL NO. OF PAGES INCLUDING COVER: ai bunch
PHONE NUMBER:	RE:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

ATTACHMENT C

LABORATORY REPORT

QUALITY CONTROL CHECKLIST
FOR REVIEW OF LABORATORY REPORT

Job No. Y5394-18
Laboratory: Curtis and Tompkins, Ltd.
Report Date: 2 May 2008

Site: East Oakland Sports Center
Laboratory Report No.: 202650
BASELINE Reviewer: Redgy Ramirez

GENERAL QUESTIONS (Describe "no" responses below in "comments" section. Contact the laboratory, as required, for further explanation or action on "no" responses; document discussion in comments section.)	Yes	No	NA
1a. Does the report include a case narrative? *(A case narrative MUST be prepared by the lab for all analytical work requested by BASELINE)*	X		
1b. Is the number of pages for the lab report as indicated on the case narrative/lab transmittal consistent with the number of pages that are included in report?		X	
1c. Does the case narrative indicate which samples were analyzed by a subcontractor and the subcontractor's name?			X
1d. Does the case narrative summarize subsequent requests not shown on the chain-of-custody (e.g., additional analyses requested, release of "hold" samples)?			X
1e. Does the case narrative explain why requested analyses could not be performed by laboratory (e.g., insufficient sample)?			X
1f. Does the case narrative explain all problems with the QA/QC data as identified in the checklist (as applicable)?	X		
2a. Is the laboratory report format consistent and legible throughout the report?	X		
2b. Are the sample and reported dates shown in the laboratory report correct?	X		
3a. Does the lab report include the original chain-of-custody form?	X		
3b. Were all samples appropriately analyzed as requested on the chain-of-custody form?	X		
4. Was the lab report signed and dated as being reviewed by the laboratory director, QA manager, or other appropriate personnel? (Some lab reports have signature spaces for each page). (This requirement also applies to any analyses subcontracted out by the laboratory)	X		
5a. Are preparation methods, cleanup methods (if applicable), and laboratory methods indicated for all analyses?	X		
5b. If additional analytes were requested as part of the reporting of the data for an analytical method, were these included in the lab report?			X
6. Are the units in the lab report provided for each analysis consistent throughout the report?	X		
7. Are the detection limits (DL) appropriate based on the intended use of the data (e.g., DL below applicable MCLs for water quality issues)?	X		

Quality Control Checklist - continued

	Yes	NO	NA
8a. Are detection limits appropriate based on the analysis performed (i.e., not elevated due to dilution effects)?	X		
8b. If no, is an explanation provided by the laboratory?			X
9a. Were the samples analyzed within the appropriate holding time (generally 2 weeks for volatiles, and up to 6 months for total metals)?	X		
9b. If no, was it flagged in the report?			X
10. If samples were composited prior to analysis, does the lab report indicate which samples were composited for each analysis?	X		
11a. Do the chromatograms confirm quantitative laboratory results (petroleum hydrocarbons)?	X		
11b. Is a standard chromatogram(s) included in the laboratory report?	X		
11c. Do the chromatograms confirm laboratory notes, if present (e.g., sample exhibits lighter hydrocarbon than standard)?	X		
12. Are the results consistent with previous analytical results from the site? *(If no, contact the lab and request review/reanalysis of data, as appropriate.)*			X
13a. REVISED LAB REPORTS ONLY. Is the revised lab report or revised pages to a lab report signed and dated as being reviewed by the laboratory director, QA manager, or other appropriate personnel?			X
13b. REVISED LAB REPORTS ONLY. Does the case narrative indicate the date of revision and provide an explanation for the revision?			X
13c. REVISED LAB REPORTS ONLY. Does the revised lab report adequately address the problem(s) that triggered the need for a revision?			X
13d. REVISED LAB REPORTS ONLY. Are the data included in the revised report the same as the data reported in the original report, except where the report was revised to correct incorrectly reported data?			X
QA/QC Questions Field/Laboratory Quality Control - Groundwater Analyses			
14. Are field blanks reported as "ND" (groundwater samples)? *A field blank is a sample of DI water that is prepared in the field using the same collection and handling procedures as the other samples collected, and used to demonstrate that the sampling procedure has not contaminated the sample.*			X
14a. Are rinsate blanks reported as "ND" (soil samples)? *A rinsate blank is a sample of DI water that is prepared in the field by collecting DI rinse water after it has been poured over decontaminated sampling equipment. The rinsate blank is collected to demonstrate that the decontamination procedure has removed all the contaminants from the sampling equipment and that the sampling equipment has not contaminated the sample.*			X

Quality Control Checklist - continued

	Yes	No	NA
15. Are trip blanks reported as "ND" (groundwater samples/volatile analyses)? *A trip blank is a sample of contaminant free matrix placed in an appropriate container by the lab and transported with the field samples collected. Provides information regarding positive interference introduced during sample transport, storage, preservation, and analysis. The sample is NOT opened in the field.*			X
16. Are duplicate sample results consistent with the original sample (groundwater samples)? *Field duplicates consist of two independent samples collected at the same sampling location during a single sampling event. Used to evaluate precision of the analytical data and sampling technique. (Differences between the duplicate and sample results may also be attributed to environmental variability.)*			X
Batch Quality Control (Samples are batched together by matrix [soil, water] and analyses requested. A batch generally consists of 20 or fewer samples of the same matrix type, and is prepared using the same reagents, standards, procedures, and time frame as the samples. QC samples are run with each batch to assess performance of the entire measurement process.)			
17. Do the sample batch numbers and corresponding laboratory QA/QC batch numbers match?	X		
18a. Are method blanks (MB) for the analytical method(s) below the laboratory reporting limits? *Used to assess lab contamination and prevent false positive results.*	X		
18b. If no, is an explanation provided in the case narrative to validate the data?			X
18c. Are analytes that may be considered laboratory contaminants reported below the laboratory reporting limit? *Common lab contaminants include acetone, methylene chloride, diethylhexyl phthalate, and di-n-octyl phthalate.*			X
18d. If no, was the laboratory contacted to determine whether the reported analyte could be a potential laboratory contaminant and was an explanation included in the case narrative?			X
19. Are laboratory control samples (LCS) and LCS duplicate (LCSD) [a.k.a., Blank Spike (BS) and BS duplicates (BSD)] within laboratory reporting limits? Limits should be provided on the report. *LCS is a reagent blank spike with a representative selection of target analyte(s) and prepared in the same manner as the samples analyzed. The LCS should be spiked with the same analytes as the matrix spike (below). The LCS is free from interferences from the sample matrix and demonstrates the ability of the lab instruments to recover the target analytes. Accuracy (recovery information) is generally reported as % spike recovery; precision (reproducibility of results) between the LCS and LCSD is generally reported as the relative percent difference (RPD). LCS/LCSD can be run in addition to or in lieu of matrix QC data.*	X		
20a. Are the Matrix QC data (i.e., MS/MSD) within laboratory limits? Limits should be provided on the lab report. *The lab selects a sample from the batch and analyzes a spike and a spike duplicate of that sample. Matrix QC data is used to obtain precision and accuracy information and is reported in the same manner as LCS/LCSD. If the MS/MSD fails, the results may still be considered valid if the MB and either the LCS/LCSD or BS/BSD is within the lab's limits (failure is probably due to matrix interference).*	X		

Quality Control Checklist - continued

	Yes	No	NA
20b. If no, is the MB and either LCS/LCSD or BS/BSD within lab limits to validate the data?			X
Sample Quality Control			
21a. Are the surrogate spikes reported within the lab's acceptable recovery limits? *A surrogate is a non-target analyte, which is similar in chemical structure to the analyte(s) being analyzed for, and which is not commonly found in environmental samples. A known concentration of the surrogate is spiked into the sample or QA "sample" prior to extraction or sample preparation. Results are usually reported as % recovery of the spike. Failure to meet lab's limits for primary and secondary surrogates results in rebatching and reanalysis of the sample; failure of only the primary or the secondary surrogate may be acceptable under certain circumstances. Failure generally is due to coelution with the sample matrix.*	X		
21b. If no, is an explanation given in the case narrative to validate the data?			X

Comments:

The number of pages for the laboratory report was not indicated on the transmittal.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 202650
ANALYTICAL REPORT

Baseline Environmental
5900 Hollis Street
Emeryville, CA 94608

Project : Y5394-18
Location : East Oakland Sports Center
Level : II

Sample ID	Lab ID
B01;0.0'	202650-001
B02;0.0'	202650-002
B03;0.0'	202650-003
B04;0.0'	202650-004
B05;0.0'	202650-005
B06;0.0'	202650-006
B07;0.0'	202650-007
B08;0.0'	202650-008
B09;2.0'	202650-009
B10;2.0'	202650-010
B11;2.0'	202650-011
B12;2.0'	202650-012
B13;2.0'	202650-013
B14;2.0'	202650-014
B15;2.0'	202650-015
B16;2.0'	202650-016
B17;2.0'	202650-017
B18;2.0'	202650-018
B19;2.0'	202650-019
B20;2.0'	202650-020
B21;2.0'	202650-021
B22;2.0'	202650-022
B23;2.0'	202650-023
B24;2.0'	202650-024
B01;1.0'	202650-025
B02;1.0'	202650-026
B03;1.0'	202650-027
B04;1.0'	202650-028
B05;1.0'	202650-029
B06;1.0'	202650-030
B07;1.0'	202650-031
B08;1.0'	202650-032
B09;4.5'	202650-033
B10;4.5'	202650-034
B11;4.5'	202650-035
B12;4.5'	202650-036
B13;4.5'	202650-037
B14;4.5'	202650-038
B15;4.5'	202650-039
B16;4.5'	202650-040
B17;4.5'	202650-041
B18;4.5'	202650-042
B19;4.5'	202650-043
B20;4.5'	202650-044
B21;4.5'	202650-045
B22;4.5'	202650-046
B23;4.5'	202650-047
B24;4.5'	202650-048
B01;2.0'	202650-049
B02;2.0'	202650-050
B03;2.0'	202650-051
B04;2.0'	202650-052
B05;2.0'	202650-053
B06;2.0'	202650-054
B07;2.0'	202650-055
B08;2.0'	202650-056
B09;6.5'	202650-057
B10;6.5'	202650-058
B11;6.5'	202650-059
B12;6.5'	202650-060
B13;6.5'	202650-061
B14;6.5'	202650-062
B15;6.5'	202650-063
B16;6.5'	202650-064
B17;6.5'	202650-065
B18;6.5'	202650-066
B19;6.5'	202650-067
B20;6.5'	202650-068
B21;6.5'	202650-069
B22;6.5'	202650-070
B23;6.5'	202650-071
B24;6.5'	202650-072
B01,02,03,04;0.0'	202650-073
B05,06,07,08;0.0'	202650-074
B09,10,11,12;2.0'	202650-075
B13,14,15,16;2.0'	202650-076
B17,18,19,20;2.0'	202650-077
B21,22,23,24;2.0'	202650-078
B01,02,03,04;1.0'	202650-079
B05,06,07,08;1.0'	202650-080

NELAP # 01107CA

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

Laboratory Job Number 202650
ANALYTICAL REPORT

Sample ID	Lab ID	Sample ID	Lab ID
B09,10,11,12;4.5'	202650-081	B05,06,07,08;2.0'	202650-086
B13,14,15,16;4.5'	202650-082	B09,10,11,12;6.5'	202650-087
B17,18,19,20;4.5'	202650-083	B13,14,15,16;6.5'	202650-088
B21,22,23,24;4.5'	202650-084	B17,18,19,20;6.5'	202650-089
B01,02,03,04;2.0'	202650-085	B21,22,23,24;6.5'	202650-090

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____ Date: 05/01/2008
Project Manager

Signature: _____ Date: 05/02/2008
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	202650
Client:	Baseline Environmental
Project:	Y5394-18
Location:	East Oakland Sports Center
Request Date:	04/17/08
Samples Received:	04/17/08

This hardcopy data package contains sample and QC results for eighteen soil samples, requested for the above referenced project on 04/17/08. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Pesticides (EPA 8081A):
All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. B01,02,03,04;0.0' (lab # 202650-073) and B05,06,07,08;0.0' (lab # 202650-074) were diluted due to the dark, viscous nature of the sample extracts. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

Hexavalent Chromium (EPA 7196A):
No analytical problems were encountered.

202650

CHAIN OF CUSTODY RECORD

BASELINE Environmental Consulting
5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686 Fax: (510) 420-1707

Turn-Around-Time Normal 5-Day
Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) Reginald Ramirez

	Sample ID No. Station	Date	Time	Media	Containers: No.	Type: Butyrate	Encore	L-AG	40-ml VOA	L-Poly	250 ml Poly	Glass Jar	Preservative: Ice	HCL	HNO_3	SO_4	NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	Organochlorine Pesticides (EPA Method 8081)	PAHs (EPA Method 8270-sim)			Remarks/ Composite
1	B01;0.0'	4/17/08	0749	S	1	X							X												
2	B02;0.0'	4/17/08	0757	S	1	X							X					X	X	X	X				composite
3	B03;0.0'	4/17/08	0810	S	1	X							X												
4	B04;0.0'	4/17/08	0823	S	1	X							X												
5	B05;0.0'	4/17/08	1251	S	1	X							X												
6	B06;0.0'	4/17/08	1300	S	1	X							X					X	X	X	X				composite
7	B07;0.0'	4/17/08	1314	S	1	X							X												
8	B08;0.0'	4/17/08	1322	S	1	X							X												
9	B09;2.0'	4/17/08	1133	S	1	X							X												
10	B10;2.0'	4/17/08	1152	S	1	X							X					X	X	X	X				composite
11	B11;2.0'	4/17/08	1039	S	1	X							X												
12	B12;2.0'	4/17/08	1029	S	1	X							X												
13	B13;2.0'	4/17/08	0837	S	1	X							X												
14	B14;2.0'	4/17/08	0853	S	1	X							X					X	X	X	X				composite
15	B15;2.0'	4/17/08	0907	S	1	X							X												
16	B16;2.0'	4/17/08	0921	S	1	X							X												
17	B17;2.0'	4/17/08	0981	S	1	X							X												
18	B18;2.0'	4/17/08	0947	S	1	X							X					X	X	X	X				composite
19	B19;2.0'	4/17/08	1012	S	1	X							X												
20	B20;2.0'	4/17/08	1000	S	1	X							X												

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Reginald Ramirez	3:00 PM 4/17/08		3pm 4/17/08
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	

Arrival at Laboratory:
Remarks:
Email contact:
redgy@baseline-env.com
Please provide EDD

Received at laboratory with intact: YES NO
Comments:

was on ice, intact

20 - 15C

CHAIN OF CUSTODY RECORD

BASELINE Environmental Consulting
5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686 Fax: (510) 420-1707

Turn-Around-Time Normal 5-Day
Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) Reginald Ramirez

	Sample ID No. Station	Date	Time	Media	Containers: Type: No.	Type: Butyrate	Type: Encore	Type: L-AG	Type: 40-ml VOA	Type: L-Poly	Type: 250 ml Poly	Type: Glass Jar	Preservative: Ice	Preservative: HCL	Preservative: HNO_3	Preservative: SO_4	Preservative: NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	Organochlorine Pesticides (EPA Method 8081)	PAHs (EPA Method 8270-sim)			Remarks/ Composite
21	B21;2.0'	4/17/08	1053	S	1	X							X												
22	B22;2.0'	4/17/08	1100	S	1	X							X					X	X	X	X				composite
23	B23;2.0'	4/17/08	1116	S	1	X							X												
24	B24;2.0'	4/17/08	1121	S	1	X							X												
25	B01;1.0'	4/17/08	0741	S	1	X							X												
26	B02;1.0'	4/17/08	0755	S	1	X							X					X	X	X					composite
27	B03;1.0'	4/17/08	0808	S	1	X							X												
28	B04;1.0'	4/17/08	0829	S	1	X							X												
29	B05;1.0'	4/17/08	1249	S	1	X							X												
30	B06;1.0'	4/17/08	1258	S	1	X							X					X	X	X					composite
31	B07;1.0'	4/17/08	1312	S	1	X							X												
32	B08;1.0'	4/17/08	1320	S	1	X							X												
33	B09;4.5'	4/17/08	1131	S	1	X							X												
34	B10;4.5'	4/17/08	1150	S	1	X							X					X	X	X					composite
35	B11;4.5'	4/17/08	1037	S	1	X							X												
36	B12;4.5'	4/17/08	1022	S	1	X							X												
37	B13;4.5'	4/17/08	0835	S	1	X							X												
38	B14;4.5'	4/17/08	0851	S	1	X							X					X	X	X					composite
39	B15;4.5'	4/17/08	0905	S	1	X							X												
40	B16;4.5'	4/17/08	0919	S	1	X							X												

Relinquished by: (Signature) Reginald Ramirez	Date/Time 4/17/08 3:00 pm	Received by: (Signature)	Date/Time 4/17/08 3pm
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	

Received at laboratory with intact: YES NO

Comments: was on ice, intact

Arrival at Laboratory:
Remarks:
Email contact: redgy@baseline-env.com
Please provide EDD

chain of custody

202650

CHAIN OF CUSTODY RECORD

BASELINE Environmental Consulting
5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686 Fax: (510) 420-1707

Turn-Around-Time Normal 5-Day
Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) *Reginald Ramirez*

	Sample ID No. Station	Date	Time	Media	No.	Butyrate	Encore	L-AG	40-ml VOA	L-Poly	250 ml Poly	Glass Jar	Ice	HCL	HNO_3	SO_4	NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	PAHs (EPA Method 8270-sim)				Remarks/ Composite
41	B17;4.5'	4/17/08	0929	S	1	X							X												
42	B18;4.5'	4/17/08	0945	S	1	X							X					X	X	X					Composite
43	B19;4.5'	4/17/08	1010	S	1	X							X												
44	B20;4.5'	4/17/08	0958	S	1	X							X												
45	B21;4.5'	4/17/08	1051	S	1	X							X												
46	B22;4.5'	4/17/08	1058	S	1	X							X					X	X	X					Composite
47	B23;4.5'	4/17/08	1114	S	1	X							X												
48	B24;4.5'	4/17/08	1119	S	1	X							X												
49	B01;2.0'	~~0734~~ 4/17	0734	S	1	X							X												
50	B02;2.0'	4/17/08	0733	S	1	X							X					X	X	X					Composite
51	B03;2.0'	4/17/08	0806	S	1	X							X												
52	B04;2.0'	4/17/08	0819	S	1	X							X												
53	B05;2.0'	4/17/08	1247	S	1	X							X												
54	B06;2.0'	4/17/08	1256	S	1	X							X					X	X	X					Composite
55	B07;2.0'	4/17/08	1310	S	1	X							X												
56	B08;2.0'	4/17/08	1318	S	1	X							X												
57	B09;6.5'	4/17/08	1129	S	1	X							X												
58	B10;6.5'	4/17/08	1148	S	1	X							X					X	X	X					Composite
59	B11;6.5'	4/17/08	1035	S	1	X							X												
60	B12;6.5'	4/17/08	1020	S	1	X							X												

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Reginald Ramirez	4/17/08 3:00 pm	*[signature]*	4/17/08 3pm	Arrival at Laboratory:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Remarks:
				Email contact:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		redgy@baseline-env.com
				Please provide EDD
Received at laboratory with intact: YES NO		Comments:		

was on ice, intact

BASELINE Environmental Consulting
5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686 Fax: (510) 420-1707

CHAIN OF CUSTODY RECORD

Turn-Around-Time Normal 5-Day
Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) Reginald Ramirez

Sample ID No, Station	Date	Time	Media	Containers: No.	Type: Butyrate	Type: Encore	Type: L-AG	Type: 40-ml VOA	Type: L-Poly	Type: 250 ml Poly	Type: Glass Jar	Preservative: Ice	Preservative: HCL	Preservative: HNO_3	Preservative: SO_4	Preservative: NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	PAHs (EPA Method 8270-sim)				Remarks/ Composite
B13;6.5'	4/17/08	0833	S	1	X							X					X	X	X					Composite
B14;6.5'	4/17/08	0849	S	1	X							X												
B15;6.5'	4/17/08	0903	S	1	X							X												
B16;6.5'	4/17/08	0917	S	1	X							X												
B17;6.5'	4/17/08	0927	S	1	X							X					X	X	X					Composite
B18;6.5'	4/17/08	0943	S	1	X							X												
B19;6.5'	4/17/08	1008	S	1	X							X												
B20;6.5'	4/17/08	0956	S	1	X							X												
B21;6.5'	4/17/08	1049	S	1	X							X					X	X	X					Composite
B22;6.5'	4/17/08	1056	S	1	X							X												
B23;6.5'	4/17/08	1112	S	1	X							X												
B24;6.5'	4/17/08	1117	S	1	X							X												

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Reginald Ramirez	4/17/08 3:00pm		4/17/08 3pm	Arrival at Laboratory:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Remarks:
				Email contact: redgy@baseline-env.com
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Please provide EDD

Received at laboratory with intact: YES NO
Comments: was on ice, intact

chain of custody

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 202650 Date Received 4/17/08 Number of coolers 2
Client BASELINE ENV. Project EAST OAKLAND SPORTS CENTER

Date Opened 4/17/08 By (print) M. VILLANUEVA (sign)
Date Logged in V By (print) V (sign) V

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
Shipping info

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ (NO)
How many Name Date
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe)

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. If required, was sufficient ice used? Samples should be < or = 6°C ..... YES NO N/A
Type of ice used: ☑ WET ☐ BLUE ☐ NONE Temp(°C) NO TEMP BLANK
☐ SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD. COOLING PROCESS HAD BEGUN.

8. Were soil Encore sampling devices present? ..... YES (NO)
If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... YES (NO)
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... YES NO (N/A)
15. Are bubbles absent in VOA samples? ..... YES NO (N/A)
16. Was the client contacted concerning this sample delivery? ..... YES NO
If YES, Who was called? By Date:

COMMENTS
SAMPLE B04; 1.0' TIME ON SAMPLE 0821

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	137281
Units:	mg/Kg	Sampled:	04/17/08
Basis:	as received	Received:	04/17/08
Diln Fac:	1.000	Prepared:	04/22/08

Field ID: B01,02,03,04;0.0'
Type: SAMPLE
Lab ID: 202650-073
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	7.6 Y	1.0
Motor Oil C24-C36	75	5.0

Surrogate	%REC	Limits
Hexacosane	73	48-128

Field ID: B05,06,07,08;0.0'
Type: SAMPLE
Lab ID: 202650-074
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	12 Y	1.0
Motor Oil C24-C36	71	5.0

Surrogate	%REC	Limits
Hexacosane	68	48-128

Field ID: B09,10,11,12;2.0'
Type: SAMPLE
Lab ID: 202650-075
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.5 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	74	48-128

Field ID: B13,14,15,16;2.0'
Type: SAMPLE
Lab ID: 202650-076
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3.2 Y	1.0
Motor Oil C24-C36	13	5.0

Surrogate	%REC	Limits
Hexacosane	64	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

37.1

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	137281
Units:	mg/Kg	Sampled:	04/17/08
Basis:	as received	Received:	04/17/08
Diln Fac:	1.000	Prepared:	04/22/08

Field ID: B17,18,19,20;2.0' Analyzed: 04/23/08
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 202650-077

Analyte	Result	RL
Diesel C10-C24	2.8 Y	0.99
Motor Oil C24-C36	13	5.0

Surrogate	%REC	Limits
Hexacosane	62	48-128

Field ID: B21,22,23,24;2.0' Analyzed: 04/23/08
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 202650-078

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	48-128

Field ID: B01,02,03,04;1.0' Analyzed: 04/23/08
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 202650-079

Analyte	Result	RL
Diesel C10-C24	3.2 Y	1.0
Motor Oil C24-C36	30	5.0

Surrogate	%REC	Limits
Hexacosane	74	48-128

Field ID: B05,06,07,08;1.0' Analyzed: 04/23/08
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 202650-080

Analyte	Result	RL
Diesel C10-C24	1.3 Y	0.99
Motor Oil C24-C36	10	5.0

Surrogate	%REC	Limits
Hexacosane	64	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	137281
Units:	mg/Kg	Sampled:	04/17/08
Basis:	as received	Received:	04/17/08
Diln Fac:	1.000	Prepared:	04/22/08

Field ID: B09,10,11,12;4.5'
Type: SAMPLE
Lab ID: 202650-081
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	66	48-128

Field ID: B13,14,15,16;4.5'
Type: SAMPLE
Lab ID: 202650-082
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.5 Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	48-128

Field ID: B17,18,19,20;4.5'
Type: SAMPLE
Lab ID: 202650-083
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.1 Y	1.0
Motor Oil C24-C36	5.8	5.0

Surrogate	%REC	Limits
Hexacosane	86	48-128

Field ID: B21,22,23,24;4.5'
Type: SAMPLE
Lab ID: 202650-084
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.7 Y	0.99
Motor Oil C24-C36	6.1	5.0

Surrogate	%REC	Limits
Hexacosane	96	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

37.1

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	137281
Units:	mg/Kg	Sampled:	04/17/08
Basis:	as received	Received:	04/17/08
Diln Fac:	1.000	Prepared:	04/22/08

Field ID: B01,02,03,04;2.0'
Type: SAMPLE
Lab ID: 202650-085
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.0 Y	1.0
Motor Oil C24-C36	9.8	5.0

Surrogate	%REC	Limits
Hexacosane	92	48-128

Field ID: B05,06,07,08;2.0'
Type: SAMPLE
Lab ID: 202650-086
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.2 Y	1.0
Motor Oil C24-C36	8.2	5.0

Surrogate	%REC	Limits
Hexacosane	90	48-128

Field ID: B09,10,11,12;6.5'
Type: SAMPLE
Lab ID: 202650-087
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	48-128

Field ID: B13,14,15,16;6.5'
Type: SAMPLE
Lab ID: 202650-088
Analyzed: 04/24/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	51	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	137281
Units:	mg/Kg	Sampled:	04/17/08
Basis:	as received	Received:	04/17/08
Diln Fac:	1.000	Prepared:	04/22/08

Field ID: B17,18,19,20;6.5'
Type: SAMPLE
Lab ID: 202650-089
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.7 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	71	48-128

Field ID: B21,22,23,24;6.5'
Type: SAMPLE
Lab ID: 202650-090
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	73	48-128

Type: BLANK
Lab ID: QC438332
Analyzed: 04/23/08
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	57	48-128

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

37.1

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC438333	Batch#:	137281
Matrix:	Soil	Prepared:	04/22/08
Units:	mg/Kg	Analyzed:	04/23/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.71	33.54	67	54-126

Surrogate	%REC	Limits
Hexacosane	68	48-128

38 0

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	SHAKER TABLE
Project#:	Y5394-18	Analysis:	EPA 8015B
Field ID:	B05,06,07,08;0.0'	Batch#:	137281
MSS Lab ID:	202650-074	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	mg/Kg	Prepared:	04/22/08
Basis:	as received	Analyzed:	04/23/08
Diln Fac:	1.000		

Type: MS
Lab ID: QC438334

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	11.98	49.68	28.87	34	34-144

Surrogate	%REC	Limits
Hexacosane	49	48-128

Type: MSD
Lab ID: QC438335

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.79	33.92	44	34-144	16	47

Surrogate	%REC	Limits
Hexacosane	60	48-128

RPD= Relative Percent Difference

39.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B01,02,03,04;0.0'	Batch#:	137197
Lab ID:	202650-073	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Diln Fac:	3.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	5.1
beta-BHC	ND	5.1
gamma-BHC	ND	5.1
delta-BHC	ND	5.1
Heptachlor	ND	5.1
Aldrin	ND	5.1
Heptachlor epoxide	ND	5.1
Endosulfan I	ND	5.1
Dieldrin	ND	9.9
4,4'-DDE	ND	9.9
Endrin	ND	9.9
Endosulfan II	ND	9.9
Endosulfan sulfate	ND	9.9
4,4'-DDD	ND	9.9
Endrin aldehyde	ND	9.9
4,4'-DDT	ND	9.9
alpha-Chlordane	ND	5.1
gamma-Chlordane	ND	5.1
Methoxychlor	ND	51
Toxaphene	ND	180

Surrogate	%REC	Limits
TCMX	75	40-120
Decachlorobiphenyl	61	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B05,06,07,08;0.0'	Batch#:	137197
Lab ID:	202650-074	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Dil'n Fac:	3.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	5.1
beta-BHC	ND	5.1
gamma-BHC	ND	5.1
delta-BHC	ND	5.1
Heptachlor	ND	5.1
Aldrin	ND	5.1
Heptachlor epoxide	ND	5.1
Endosulfan I	ND	5.1
Dieldrin	ND	9.9
4,4'-DDE	ND	9.9
Endrin	ND	9.9
Endosulfan II	ND	9.9
Endosulfan sulfate	ND	9.9
4,4'-DDD	ND	9.9
Endrin aldehyde	ND	9.9
4,4'-DDT	ND	9.9
alpha-Chlordane	ND	5.1
gamma-Chlordane	ND	5.1
Methoxychlor	ND	51
Toxaphene	ND	180

Surrogate	%REC	Limits
TCMX	83	40-120
Decachlorobiphenyl	62	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B09,10,11,12;2.0'	Batch#:	137197
Lab ID:	202650-075	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	85	40-120
Decachlorobiphenyl	67	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B13,14,15,16;2.0'	Batch#:	137197
Lab ID:	202650-076	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Dil'n Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	80	40-120
Decachlorobiphenyl	63	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B17,18,19,20;2.0'	Batch#:	137197
Lab ID:	202650-077	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	79	40-120
Decachlorobiphenyl	68	43-142

ND= Not Detected
RL= Reporting Limit

32.1

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	B21,22,23,24;2.0'	Batch#:	137197
Lab ID:	202650-078	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Dil Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
Alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	84	40-120
Decachlorobiphenyl	73	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC438008	Batch#:	137197
Matrix:	Soil	Prepared:	04/21/08
Units:	ug/Kg	Analyzed:	04/22/08
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	89	40-120
Decachlorobiphenyl	69	43-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC438009	Batch#:	137197
Matrix:	Soil	Prepared:	04/21/08
Units:	ug/Kg	Analyzed:	04/22/08
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.27	12.16	92	27-120
Heptachlor	13.27	12.51	94	25-123
Aldrin	13.27	11.83	89	29-120
Dieldrin	26.54	25.33	95	32-127
Endrin	26.54	26.00	98	30-140
4,4'-DDT	26.54	24.43	92	29-130

Surrogate	%REC	Limits
TCMX	112	40-120
Decachlorobiphenyl	76	43-142

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	Y5394-18	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	137197
MSS Lab ID:	202694-001	Sampled:	04/18/08
Matrix:	Soil	Received:	04/18/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/08
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC438010

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<2.772	13.27	12.02	91	41-120
Heptachlor	<3.102	13.27	12.10	91	40-126
Aldrin	<3.014	13.27	12.09	91	45-120
Dieldrin	<6.235	26.53	23.88	90	44-128
Endrin	<7.515	26.53	24.82	94	31-134
4,4'-DDT	<7.150	26.53	20.75	78	27-135

Surrogate	%REC	Limits
TCMX	102	40-120
Decachlorobiphenyl	85	43-142

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC438011

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.25	10.16	77	41-120	17	46
Heptachlor	13.25	10.28	78	40-126	16	50
Aldrin	13.25	10.02	76	45-120	19	46
Dieldrin	26.50	20.26	76	44-128	16	41
Endrin	26.50	21.00	79	31-134	17	49
4,4'-DDT	26.50	19.04	72	27-135	8	51

Surrogate	%REC	Limits
TCMX	86	40-120
Decachlorobiphenyl	71	43-142

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B01,02,03,04;0.0'	Basis:	as received
Lab ID:	202650-073	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	9.3	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	120	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.33	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.38	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	7.7	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	24	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	62	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.10	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	1.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	28	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	120	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B05,06,07,08;0.0'	Basis:	as received
Lab ID:	202650-074	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	6.3	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	140	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.38	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	9.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	22	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	36	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.081	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.61	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	38	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	67	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

3.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B09,10,11,12;2.0'	Basis:	as received
Lab ID:	202650-075	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	4.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	140	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.51	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	29	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	9.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	16	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	8.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.040	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.38	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	39	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/22/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	24	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	35	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL = Reporting Limit

4.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B13,14,15,16;2.0'	Basis:	as received
Lab ID:	202650-076	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.3	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	180	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.38	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.26	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	13	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	48	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.35	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.47	0.25	137232	04/21/08	04/22/08	EPA 3050B	EPA 6010B
Nickel	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	88	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

5.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B17,18,19,20;2.0'	Basis:	as received
Lab ID:	202650-077	Dil'n Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	210	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.43	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.34	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	10	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	27	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	81	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.15	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.51	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	44	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	120	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

D= Not Detected
L= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B21,22,23,24;2.0'	Basis:	as received
Lab ID:	202650-078	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.6	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	170	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.55	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	11	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	18	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	13	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.043	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.55	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	39	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	46	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B01,02,03,04;1.0'	Basis:	as received
Lab ID:	202650-079	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	4.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	130	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.33	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	34	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	10	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	23	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	22	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.50	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	62	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	34	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	60	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B05,06,07,08;1.0'	Basis:	as received
Lab ID:	202650-080	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	200	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.40	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.37	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	9.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	52	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.11	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.83	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	60	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B09,10,11,12;4.5'	Basis:	as received
Lab ID:	202650-081	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	4.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	150	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.45	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	29	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	7.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	12	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	5.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.087	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	41	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	26	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	34	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL = Reporting Limit

10.9

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B13,14,15,16;4.5'	Basis:	as received
Lab ID:	202650-082	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.4	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	150	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.45	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	10	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	14	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	6.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.25	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	46	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	39	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B17,18,19,20;4.5'	Basis:	as received
Lab ID:	202650-083	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.6	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	180	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.43	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	15	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	16	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	7.5	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.11	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	60	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	47	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B21,22,23,24;4.5'	Basis:	as received
Lab ID:	202650-084	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	250	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.48	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	14	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	15	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	7.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.065	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.49	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	55	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	28	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	36	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B01,02,03,04;2.0'	Basis:	as received
Lab ID:	202650-085	Dil'n Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	170	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.44	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	28	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	10	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	17	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	9.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.063	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	40	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	1.1	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	29	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	38	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

14.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B05,06,07,08;2.0'	Basis:	as received
Lab ID:	202650-086	Dilu Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	8.1	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	170	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.44	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	29	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	9.4	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	19	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	16	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.068	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	37	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	51	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B09,10,11,12;6.5'	Basis:	as received
Lab ID:	202650-087	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	4.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	150	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.45	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	13	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	15	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	6.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.065	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.35	0.25	137232	04/21/08	04/22/08	EPA 3050B	EPA 6010B
Nickel	57	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	26	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	43	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

16.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B13,14,15,16;6.5'	Basis:	as received
Lab ID:	202650-088	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	5.1	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	130	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.37	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	9.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	11	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	5.8	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.066	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.33	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	35	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	YS394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B17,18,19,20;6.5'	Basis:	as received
Lab ID:	202650-089	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	4.9	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	180	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.38	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	30	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	7.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	11	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	5.4	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.091	0.020	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	37	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	28	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	34	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

18.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202650	Project#:	Y5394-18
Client:	Baseline Environmental	Location:	East Oakland Sports Center
Field ID:	B21,22,23,24;6.5'	Basis:	as received
Lab ID:	202650-090	Dil'n Fac:	1.000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Arsenic	6.5	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Barium	260	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Beryllium	0.43	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cadmium	0.31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Chromium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Cobalt	19	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Copper	16	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Lead	7.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Mercury	0.23	0.021	137251	04/22/08	04/22/08	METHOD	EPA 7471A
Molybdenum	0.54	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Nickel	52	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B
Zinc	35	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

19.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3050B
Project#:	Y5394-18	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC438144	Batch#:	137232
Matrix:	Soil	Prepared:	04/21/08
Units:	mg/Kg	Analyzed:	04/21/08
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.25
Molybdenum	ND	0.25
Nickel	ND	0.25
Selenium	ND	0.50
Silver	ND	0.25
Thallium	ND	0.50
Vanadium	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3050B
Project#:	Y5394-18	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	137232
Units:	mg/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/21/08
Diln Fac:	1.000		

Type: BS Lab ID: QC438145

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	97.12	97	80-120
Arsenic	50.00	49.92	100	80-120
Barium	100.0	97.90	98	80-120
Beryllium	2.500	2.586	103	80-120
Cadmium	10.00	10.14	101	80-120
Chromium	100.0	97.04	97	80-120
Cobalt	25.00	24.09	96	80-120
Copper	12.50	11.89	95	80-120
Lead	100.0	98.06	98	80-120
Molybdenum	20.00	20.04	100	80-120
Nickel	25.00	24.21	97	80-120
Selenium	50.00	49.39	99	80-120
Silver	10.00	9.102	91	80-120
Thallium	50.00	48.03	96	80-120
Vanadium	25.00	24.16	97	80-120
Zinc	25.00	24.80	99	80-120

Type: BSD Lab ID: QC438146

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	98.42	98	80-120	1	20
Arsenic	50.00	49.52	99	80-120	1	20
Barium	100.0	97.42	97	80-120	0	20
Beryllium	2.500	2.565	103	80-120	1	20
Cadmium	10.00	10.05	101	80-120	1	20
Chromium	100.0	97.01	97	80-120	0	20
Cobalt	25.00	23.94	96	80-120	1	20
Copper	12.50	11.81	94	80-120	1	20
Lead	100.0	97.79	98	80-120	0	20
Molybdenum	20.00	19.92	100	80-120	1	20
Nickel	25.00	24.22	97	80-120	0	20
Selenium	50.00	49.20	98	80-120	0	20
Silver	10.00	9.070	91	80-120	0	20
Thallium	50.00	47.63	95	80-120	1	20
Vanadium	25.00	24.19	97	80-120	0	20
Zinc	25.00	24.66	99	80-120	1	20

RPD= Relative Percent Difference

21.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3050B
Project#:	Y5394-18	Analysis:	EPA 6010B
Field ID:	B01,02,03,04;0.0'	Batch#:	137232
MSS Lab ID:	202650-073	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	mg/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/21/08
Diln Fac:	1.000		

ype: MS Lab ID: QC438147

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.02749	98.04	49.93	51	3-120
Arsenic	9.315	49.02	53.41	90	71-120
Barium	119.6	98.04	189.4	71	50-135
Beryllium	0.3274	2.451	2.707	97	79-120
Cadmium	0.3759	9.804	9.389	92	71-120
Chromium	29.74	98.04	120.9	93	65-120
Cobalt	7.689	24.51	27.64	81	60-120
Copper	23.53	12.25	30.18	54	42-152
Lead	61.67	98.04	135.3	75	53-124
Molybdenum	0.9984	19.61	18.54	89	66-120
Nickel	30.61	24.51	50.68	82	44-139
Selenium	0.1975	49.02	46.07	94	69-120
Silver	0.08307	9.804	8.668	88	70-120
Thallium	0.2208	49.02	41.59	84	61-120
Vanadium	28.23	24.51	49.32	86	51-137
Zinc	116.4	24.51	129.9	55 NM	36-150

ype: MSD Lab ID: QC438148

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	91.74	42.90	47	3-120	9	33
Arsenic	45.87	50.21	89	71-120	1	20
Barium	91.74	185.1	71	50-135	1	24
Beryllium	2.294	2.565	98	79-120	0	20
Cadmium	9.174	8.738	91	71-120	1	20
Chromium	91.74	118.5	97	65-120	3	20
Cobalt	22.94	26.72	83	60-120	2	23
Copper	11.47	31.28	68	42-152	6	23
Lead	91.74	132.1	77	53-124	2	28
Molybdenum	18.35	16.89	87	66-120	3	20
Nickel	22.94	50.92	89	44-139	3	26
Selenium	45.87	42.57	92	69-120	1	20
Silver	9.174	8.112	88	70-120	0	20
Thallium	45.87	38.16	83	61-120	2	20
Vanadium	22.94	50.24	96	51-137	5	20
Zinc	22.94	127.7	49 NM	36-150	1	30

NM= Not Meaningful: Sample concentration > 4X spike concentration
PD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals			
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	Y5394-18	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC438220	Batch#:	137251
Matrix:	Soil	Prepared:	04/22/08
Units:	mg/Kg	Analyzed:	04/22/08

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

23.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	Y5394-18	Analysis:	EPA 7471A
Analyte:	Mercury	Dilu Fac:	1.000
Matrix:	Soil	Batch#:	137251
Units:	mg/Kg	Prepared:	04/22/08
Basis:	as received	Analyzed:	04/22/08

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC438221	0.5000	0.4890	98	80-120		
BSD	QC438222	0.5000	0.4930	99	80-120	1	20

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	Y5394-18	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	B01,02,03,04;0.0'	Batch#:	137251
MSS Lab ID:	202650-073	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	mg/Kg	Prepared:	04/22/08
Basis:	as received	Analyzed:	04/22/08

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC438224	0.1017	0.4717	0.5396	93	68-140		
MSD	QC438225		0.4902	0.5765	97	68-140	3	24

RPD= Relative Percent Difference

25.0

Curtis & Tompkins, Ltd.

Hexavalent Chromium

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	Y5394-18	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Batch#:	137272
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08
Basis:	as received	Prepared:	04/21/08 18:00
Diln Fac:	1.000	Analyzed:	04/22/08 18:00

Field ID	Type	Lab ID	Result	RL
B01,02,03,04;0.0'	SAMPLE	202650-073	ND	0.05
B05,06,07,08;0.0'	SAMPLE	202650-074	ND	0.05
B09,10,11,12;2.0'	SAMPLE	202650-075	ND	0.05
B13,14,15,16;2.0'	SAMPLE	202650-076	ND	0.05
B17,18,19,20;2.0'	SAMPLE	202650-077	ND	0.05
B21,22,23,24;2.0'	SAMPLE	202650-078	ND	0.05
B01,02,03,04;1.0'	SAMPLE	202650-079	ND	0.05
B05,06,07,08;1.0'	SAMPLE	202650-080	ND	0.05
B09,10,11,12;4.5'	SAMPLE	202650-081	ND	0.05
B13,14,15,16;4.5'	SAMPLE	202650-082	ND	0.05
B17,18,19,20;4.5'	SAMPLE	202650-083	ND	0.05
B21,22,23,24;4.5'	SAMPLE	202650-084	ND	0.05
B01,02,03,04;2.0'	SAMPLE	202650-085	ND	0.05
B05,06,07,08;2.0'	SAMPLE	202650-086	ND	0.05
B09,10,11,12;6.5'	SAMPLE	202650-087	ND	0.05
B13,14,15,16;6.5'	SAMPLE	202650-088	ND	0.05
B17,18,19,20;6.5'	SAMPLE	202650-089	ND	0.05
B21,22,23,24;6.5'	SAMPLE	202650-090	ND	0.05
	BLANK	QC438309	ND	0.05

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Hexavalent Chromium

Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	Y5394-18	Analysis:	EPA 7196A
Analyte:	Hexavalent Chromium	Diln Fac:	1.000
Field ID:	B01,02,03,04;0.0'	Batch#:	137272
MSS Lab ID:	202650-073	Sampled:	04/17/08
Matrix:	Soil	Received:	04/17/08
Units:	mg/Kg	Prepared:	04/21/08 18:00
Basis:	as received	Analyzed:	04/22/08 18:00

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
LCS	QC438310		1.250	1.162		93	72-120		
SDUP	QC438311	<0.05000		<0.05000	0.05000			NC	28

NC= Not Calculated
RL= Reporting Limit
RPD= Relative Percent Difference

27.0

QUALITY CONTROL CHECKLIST
FOR REVIEW OF LABORATORY REPORT

Job No.	Y5394-18	**Site:**	East Oakland Sports Center
Laboratory:	Curtis and Tompkins, Ltd.	**Laboratory Report No.:**	202886
Report Date:	7 May 2008	**BASELINE Reviewer:**	Redgy Ramirez

	Yes	No	NA
GENERAL QUESTIONS **(Describe "no" responses below in "comments" section. Contact the laboratory, as required, for further explanation or action on "no" responses; document discussion in comments section.)**			
1a. Does the report include a case narrative? *(A case narrative MUST be prepared by the lab for all analytical work requested by BASELINE)*	X		
1b. Is the number of pages for the lab report as indicated on the case narrative/lab transmittal consistent with the number of pages that are included in report?		X	
1c. Does the case narrative indicate which samples were analyzed by a subcontractor and the subcontractor's name?			X
1d. Does the case narrative summarize subsequent requests not shown on the chain-of-custody (e.g., additional analyses requested, release of "hold" samples)?			X
1e. Does the case narrative explain why requested analyses could not be performed by laboratory (e.g., insufficient sample)?			X
1f. Does the case narrative explain all problems with the QA/QC data as identified in the checklist (as applicable)?			X
2a. Is the laboratory report format consistent and legible throughout the report?	X		
2b. Are the sample and reported dates shown in the laboratory report correct?	X		
3a. Does the lab report include the original chain-of-custody form?	X		
3b. Were all samples appropriately analyzed as requested on the chain-of-custody form?	X		
4. Was the lab report signed and dated as being reviewed by the laboratory director, QA manager, or other appropriate personnel? (Some lab reports have signature spaces for each page). (This requirement also applies to any analyses subcontracted out by the laboratory)	X		
5a. Are preparation methods, cleanup methods (if applicable), and laboratory methods indicated for all analyses?	X		
5b. If additional analytes were requested as part of the reporting of the data for an analytical method, were these included in the lab report?			X
6. Are the units in the lab report provided for each analysis consistent throughout the report?	X		
7. Are the detection limits (DL) appropriate based on the intended use of the data (e.g., DL below applicable MCLs for water quality issues)?	X		

Quality Control Checklist - continued

	YES	NO	NA
8a. Are detection limits appropriate based on the analysis performed (i.e., not elevated due to dilution effects)?	X		
8b. If no, is an explanation provided by the laboratory?			X
9a. Were the samples analyzed within the appropriate holding time (generally 2 weeks for volatiles, and up to 6 months for total metals)?	X		
9b. If no, was it flagged in the report?			X
10. If samples were composited prior to analysis, does the lab report indicate which samples were composited for each analysis?	X		
11a. Do the chromatograms confirm quantitative laboratory results (petroleum hydrocarbons)?			X
11b. Is a standard chromatogram(s) included in the laboratory report?			X
11c. Do the chromatograms confirm laboratory notes, if present (e.g., sample exhibits lighter hydrocarbon than standard)?			X
12. Are the results consistent with previous analytical results from the site? *(If no, contact the lab and request review/reanalysis of data, as appropriate.)*			X
13a. REVISED LAB REPORTS ONLY. Is the revised lab report or revised pages to a lab report signed and dated as being reviewed by the laboratory director, QA manager, or other appropriate personnel?			X
13b. REVISED LAB REPORTS ONLY. Does the case narrative indicate the date of revision and provide an explanation for the revision?			X
13c. REVISED LAB REPORTS ONLY. Does the revised lab report adequately address the problem(s) that triggered the need for a revision?			X
13d. REVISED LAB REPORTS ONLY. Are the data included in the revised report the same as the data reported in the original report, except where the report was revised to correct incorrectly reported data?			X
QA/QC Questions Field/Laboratory Quality Control - Groundwater Analyses			
14. Are field blanks reported as "ND" (groundwater samples)? *A field blank is a sample of DI water that is prepared in the field using the same collection and handling procedures as the other samples collected, and used to demonstrate that the sampling procedure has not contaminated the sample.*			X
14a. Are rinsate blanks reported as "ND" (soil samples)? *A rinsate blank is a sample of DI water that is prepared in the field by collecting DI rinse water after it has been poured over decontaminated sampling equipment. The rinsate blank is collected to demonstrate that the decontamination procedure has removed all the contaminants from the sampling equipment and that the sampling equipment has not contaminated the sample.*			X

Quality Control Checklist - continued

	Yes	No	NA
15. Are trip blanks reported as "ND" (groundwater samples/volatile analyses)? *A trip blank is a sample of contaminant free matrix placed in an appropriate container by the lab and transported with the field samples collected. Provides information regarding positive interference introduced during sample transport, storage, preservation, and analysis. The sample is NOT opened in the field.*			X
16. Are duplicate sample results consistent with the original sample (groundwater samples)? *Field duplicates consist of two independent samples collected at the same sampling location during a single sampling event. Used to evaluate precision of the analytical data and sampling technique. (Differences between the duplicate and sample results may also be attributed to environmental variability.)*			X
Batch Quality Control (Samples are batched together by matrix [soil, water] and analyses requested. A batch generally consists of 20 or fewer samples of the same matrix type, and is prepared using the same reagents, standards, procedures, and time frame as the samples. QC samples are run with each batch to assess performance of the entire measurement process.)			
17. Do the sample batch numbers and corresponding laboratory QA/QC batch numbers match?	X		
18a. Are method blanks (MB) for the analytical method(s) below the laboratory reporting limits? *Used to assess lab contamination and prevent false positive results.*	X		
18b. If no, is an explanation provided in the case narrative to validate the data?			X
18c. Are analytes that may be considered laboratory contaminants reported below the laboratory reporting limit? *Common lab contaminants include acetone, methylene chloride, diethylhexyl phthalate, and di-n-octyl phthalate.*			X
18d. If no, was the laboratory contacted to determine whether the reported analyte could be a potential laboratory contaminant and was an explanation included in the case narrative?			X
19. Are laboratory control samples (LCS) and LCS duplicate (LCSD) [a.k.a., Blank Spike (BS) and BS duplicates (BSD)] within laboratory reporting limits? Limits should be provided on the report. *LCS is a reagent blank spike with a representative selection of target analyte(s) and prepared in the same manner as the samples analyzed. The LCS should be spiked with the same analytes as the matrix spike (below). The LCS is free from interferences from the sample matrix and demonstrates the ability of the lab instruments to recover the target analytes. Accuracy (recovery information) is generally reported as % spike recovery; precision (reproducibility of results) between the LCS and LCSD is generally reported as the relative percent difference (RPD). LCS/LCSD can be run in addition to or in lieu of matrix QC data.*	X		
20a. Are the Matrix QC data (i.e., MS/MSD) within laboratory limits? Limits should be provided on the lab report. *The lab selects a sample from the batch and analyzes a spike and a spike duplicate of that sample. Matrix QC data is used to obtain precision and accuracy information and is reported in the same manner as LCS/LCSD. If the MS/MSD fails, the results may still be considered valid if the MB and either the LCS/LCSD or BS/BSD is within the lab's limits (failure is probably due to matrix interference).*	X		

Quality Control Checklist - continued

	Yes	No	NA
20b. If no, is the MB and either LCS/LCSD or BS/BSD within lab limits to validate the data?			X
Sample Quality Control			
21a. Are the surrogate spikes reported within the lab's acceptable recovery limits? *A surrogate is a non-target analyte, which is similar in chemical structure to the analyte(s) being analyzed for, and which is not commonly found in environmental samples. A known concentration of the surrogate is spiked into the sample or QA "sample" prior to extraction or sample preparation. Results are usually reported as % recovery of the spike. Failure to meet lab's limits for primary and secondary surrogates results in rebatching and reanalysis of the sample; failure of only the primary or the secondary surrogate may be acceptable under certain circumstances. Failure generally is due to coelution with the sample matrix.*	X		
21b. If no, is an explanation given in the case narrative to validate the data?			X

Comments:

The number of pages for the laboratory report was not indicated on the transmittal.

Curtis & Tompkins, Ltd., Analytical Laboratories. Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

Laboratory Job Number 202886
ANALYTICAL REPORT

Baseline Environmental
5900 Hollis Street
Emeryville, CA 94608

Project : Y5394-18
Location : East Oakland Sports Center
Level : II

Sample ID	Lab ID
B01,02,03,04;0.0'	202886-001
B17,18,19,20;2.0'	202886-002

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____
Project Manager

Date: 05/06/2008

Signature: _____
Senior Program Manager

Date: 05/07/2008

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	202886
Client:	Baseline Environmental
Project:	Y5394-18
Location:	East Oakland Sports Center
Request Date:	04/29/08
Samples Received:	04/17/08

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 04/29/08. The samples were received on ice and intact.

Metals (EPA 6010B):
No analytical problems were encountered.

Lisa Brooker New # 202886

From: "Reginald Ramirez" <redgy@baseline-env.com>
To: "Lisa Brooker" <lisa@ctberk.com>
Cc: "Reginald Ramirez" <redgy@baseline-env.com>
Sent: Monday, April 28, 2008 10:42 AM
Subject: Re: Y5394-18 - C&T Reports (202650)

Hi Lisa,

Please analyze composite samples B01,02,03,04;0.0' and B17,18,19,20;0.0' for soluble lead by WET method.

Reginald Ramirez
BASELINE Environmental Consulting
5900 Hollis Street Suite D
Emeryville, California 94608
P: (510) 420-8686
F: (510) 420-1707

old #	comp	new #
202650-013	1-4	202886-001
202650-017	17-20	202886-002

----- Original Message ----
From: Lisa Brooker <lisa@ctberk.com>
To: redgy@baseline-env.com
Sent: Thursday, April 24, 2008 5:54:42 PM
Subject: Y5394-18 - C&T Reports (202650)

Attached is a PDF version of the hardcopy reports for C&T job 202650.

Email compiled and sent 04/24/08 05:54 PM.

202650

BASELINE Environmental Consulting
5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686 Fax: (510) 420-1707

CHAIN OF CUSTODY RECORD

Turn-Around-Time Normal 5-Day
Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) Reginald Ramirez

Sample ID No. Station	Date	Time	Media	Containers: No.	Type: Butyrate	Encore	L-AG	40-ml VOA	L-Poly	250 ml Poly	Glass Jar	Preservative: Ice	HCL	HNO3	SO4	NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	Organochlorine Pesticides (EPA Method 8081)	PAHs (EPA Method 8270-sim)			Remarks/ Composite
1 B01;0.0'	4/17/08	0744	S	1	X							X												
2 B02;0.0'	4/17/08	0757	S	1	X							X												
3 B03;0.0'	4/17/08	0810	S	1	X							X					X	X	X	X				composite
4 B04;0.0'	4/17/08	0823	S	1	X							X												
5 B05;0.0'	4/17/08	1251	S	1	X							X												
6 B06;0.0'	4/17/08	1300	S	1	X							X												
7 B07;0.0'	4/17/08	1314	S	1	X							X					X	X	X	X				composite
8 B08;0.0'	4/17/08	1322	S	1	X							X												
9 B09;2.0'	4/17/08	1133	S	1	X							X												
10 B10;2.0'	4/17/08	1152	S	1	X							X												
11 B11;2.0'	4/17/08	1039	S	1	X							X					X	X	X	X				composite
12 B12;2.0'	4/17/08	1029	S	1	X							X												
13 B13;2.0'	4/17/08	0837	S	1	X							X												
14 B14;2.0'	4/17/08	0853	S	1	X							X												
15 B15;2.0'	4/17/08	0907	S	1	X							X					X	X	X	X				composite
16 B16;2.0'	4/17/08	0921	S	1	X							X												
17 B17;2.0'	4/17/08	0931	S	1	X							X												
18 B18;2.0'	4/17/08	0947	S	1	X							X												
19 B19;2.0'	4/17/08	1012	S	1	X							X					X	X	X	X				composite
20 B20;2.0'	4/17/08	1000	S	1	X							X												

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Reginald Ramirez	3:00pm 4/17/08		3pm 4/17/08	Arrival at Laboratory:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Remarks:
				Email contact: redgw@baseline-env.com
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Please provide EDD
Received at laboratory with intact: YES NO		Comments:		

was on ice, intact

chain of custody

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21	B21;2.0'	4/17/08	1053	S	1	X							X													
22	B22;2.0'	4/17/08	1100	S	1	X							X													
23	B23;2.0'	4/17/08	1116	S	1	X							X					X	X	X	X					composite
24	B24;2.0'	4/17/08	1121	S	1	X							X													
25	B01;1.0'	4/17/08	0741	S	1	X							X													
26	B02;1.0'	4/17/08	0755	S	1	X							X													
27	B03;1.0'	4/17/08	0808	S	1	X							X					X	X	X						composite
28	B04;1.0'	4/17/08	0829	S	1	X							X													
29	B05;1.0'	4/17/08	1249	S	1	X							X													
30	B06;1.0'	4/17/08	1258	S	1	X							X													
31	B07;1.0'	4/17/08	1312	S	1	X							X					X	X	X						composite
32	B08;1.0'	4/17/08	1320	S	1	X							X													
33	B09;4.5'	4/17/08	1131	S	1	X							X													
34	B10;4.5'	4/17/08	1150	S	1	X							X													
35	B11;4.5'	4/17/08	1037	S	1	X							X					X	X	X						composite
36	B12;4.5'	4/17/08	1022	S	1	X							X													
37	B13;4.5'	4/17/08	0835	S	1	X							X													
38	B14;4.5'	4/17/08	0851	S	1	X							X													
39	B15;4.5'	4/17/08	0905	S	1	X							X					X	X	X						composite
40	B16;4.5'	4/17/08	0919	S	1	X							X													

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Reginald Ramirez	4/17/08 3:00 pm		4/17/08 3pm	Arrival at Laboratory:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Remarks:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Email contact: redev@baseline-env.com
Received at laboratory with intact: YES NO	Comments:			Please provide EDD

was on ice, intact

chain of custody

20650

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Laboratory Curtis and Tompkins, Ltd.
BASELINE Contact Person Redgy Ramirez

Project Number Y5394-18
Project Name: East Oakland Sports Center
Samplers: (Signature) Reginald Ramirez

	Sample ID No. Station	Date	Time	Media	Containers: Type: No.	Type: Butyrate	Type: Encore	Type: L-AG	Type: 40-ml VOA	Type: L-Poly	Type: 250 ml Poly	Type: Glass Jar	Preservative: Ice	Preservative: HCL	Preservative: HNO_3	Preservative: SO_4	Preservative: NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	PAHs (EPA Method 8270-sim)					Remarks/ Composite
B3	41 B17;4.5'	4/17/08	0929	S	1	X							X													
	42 B18;4.5'	4/17/08	0945	S	1	X							X													
	43 B19;4.5'	4/17/08	1010	S	1	X							X					X	X	X						Composite
	44 B20;4.5'	4/17/08	0958	S	1	X							X													
B4	45 B21;4.5'	4/17/08	1051	S	1	X							X													
	46 B22;4.5'	4/17/08	1058	S	1	X							X													
	47 B23;4.5'	4/17/08	1114	S	1	X							X					X	X	X						Composite
	48 B24;4.5'	4/17/08	1119	S	1	X							X													
B5	49 B01;2.0'	0934/17	0736	S	1	X							X													
	50 B02;2.0'	4/17/08	0733	S	1	X							X													
	51 B03;2.0'	4/17/08	0806	S	1	X							X					X	X	X						Composite
	52 B04;2.0'	4/17/08	0819	S	1	X							X													
B6	53 B05;2.0'	4/17/08	1247	S	1	X							X													
	54 B06;2.0'	4/17/08	1256	S	1	X							X													
	55 B07;2.0'	4/17/08	1310	S	1	X							X					X	X	X						Composite
	56 B08;2.0'	4/17/08	1318	S	1	X							X													
B7	57 B09;6.5'	4/17/08	1129	S	1	X							X													
	58 B10;6.5'	4/17/08	1148	S	1	X							X													
	59 B11;6.5'	4/17/08	1035	S	1	X							X					X	X	X						Composite
	60 B12;6.5'	4/17/08	1020	S	1	X							X													

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	
Reginald Ramirez	4/17/08 2:00 pm		4/17/08 3pm	Arrival at Laboratory:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Remarks:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Email contact: redgy@baseline-env.com
Received at laboratory with intact: YES NO	Comments: was on ice, intact			Please provide EDD

chain of custody

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Project Name: East Oakland Sports Center
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	Sample ID No. Station	Date	Time	Media	Containers: No.	Type: Butyrate	Encore	L-AG	40-ml VOA	L-Poly	250 ml Poly	Glass Jar	Preservative: Ice	HCL	HNO_3	SO_4	NaOH	Title 22 metals (EPA Method 6010B/7470A)	Hexavalent chromium (EPA Method 7196)	TPH as diesel and motor oil with silica gel cleanup (EPA Method 8015M)	PAHs (EPA Method 8270-sim)				Remarks/ Composite
61	B13;6.5'	4/17/08	0833	S	1	X							X												
62	B14;6.5'	4/17/08	0849	S	1	X							X												
63	B15;6.5'	4/17/08	0903	S	1	X							X					X	X	X					Composite
64	B16;6.5'	4/17/08	0917	S	1	X							X												
65	B17;6.5'	4/17/08	0927	S	1	X							X												
66	B18;6.5'	4/17/08	0943	S	1	X							X												
67	B19;6.5'	4/17/08	1008	S	1	X							X					X	X	X					Composite
68	B20;6.5'	4/17/08	0956	S	1	X							X												
69	B21;6.5'	4/17/08	1049	S	1	X							X												
70	B22;6.5'	4/17/08	1056	S	1	X							X												
71	B23;6.5'	4/17/08	1112	S	1	X							X					X	X	X					Composite
72	B24;6.5'	4/17/08	1117	S	1	X							X												

Relinquished by: (Signature) Reginald Ramirez	Date/Time 4/17/08 3:00 PM	Received by: (Signature)	Date/Time 4/17/08 3pm
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Received at laboratory with intact: YES NO	Comments: was on ice, intact		

Arrival at Laboratory:
Remarks:
Email contact:
redgy@baseline-env.com
Please provide EDD

chain of custody

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 202650 Date Received 4/17/08 Number of coolers 2
Client BASELINE ENV. Project EAST OAKLAND SPORTS CENTER

Date Opened 4/17/08 By (print) M. NILLA. DUEÑAS (sign)
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
   Shipping info _____
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

   ☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels
7. If required, was sufficient ice used? Samples should be < or = 6°C ..... YES NO N/A
   Type of ice used: ☑ WET ☐ BLUE ☐ NONE Temp(°C) NO TEMP BLANK
   ☐ SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD. COOLING PROCESS HAD BEGUN.
8. Were soil Encore sampling devices present? ..... YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... YES (NO)
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... YES NO (N/A)
15. Are bubbles absent in VOA samples? ..... YES NO (N/A)
16. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
SAMPLE B04; 1.0' TIME OF SAMPLE 0821

Initials

Curtis & Tompkins, Ltd.

Lead

Lab #:	202886	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	WET
Project#:	Y5394-18	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	04/17/08
Matrix:	WET Leachate	Received:	04/17/08
Units:	ug/L	Prepared:	05/04/08
Diln Fac:	10.00	Analyzed:	05/05/08
Batch#:	137717		

Field ID	Type	Lab ID	Result		RL
B01,02,03,04;0.0'	SAMPLE	202886-001	1,600	1.6 mg/L	170
717,18,19,20;2.0'	SAMPLE	202886-002	710	.710	170
	BLANK	QC440116	ND		170

D Not Detected
L Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	202886	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	WET
Project#:	Y5394-18	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	137717
Field ID:	ZZZZZZZZZZ	Sampled:	05/01/08
MSS Lab ID:	202956-001	Received:	05/01/08
Matrix:	WET Leachate	Prepared:	05/04/08
Units:	ug/L	Analyzed:	05/05/08

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Dala	Fac
BS	QC440117		2,000	1,889	94	80-120				1.000
BSD	QC440118		2,000	1,962	98	80-120	4	20		1.000
MS	QC440119	413.4	10,000	9,927	95	77-120				10.00
MSD	QC440120		10,000	9,696	93	77-120	2	20		10.00

RPD= Relative Percent Difference

3.0