#### Wickham, Jerry, Env. Health

From: Sent:	Kris Larson [klarson@ninyoandmoore.com] 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,.

Kris M. Larson, P.G. Senior Geologist Ninyo & Moore Geotechnical & Environmental Sciences Consultants 1956 Webster Street, Suite 400 Oakland, California 94612 (510) 633-5640 (x5212) (510) 633-5646 (Fax) (510) 301-9446 (Cell) klarson@ninyoandmoore.com

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## 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

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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 Based on the above information, BASELINE identified the potential decades. 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

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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

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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 (" $\mu$ g/L") (Figure 2 and Table 2). The laboratory reported WET lead at 1,600  $\mu$ g/L for composite sample B01,02,03,04;0.0' and 0.71  $\mu$ g/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

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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<sup>1</sup> ("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<sup>2</sup> (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

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> 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.

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levels published by Lawrence Berkeley National Laboratory.<sup>3</sup> 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.

<sup>&</sup>lt;sup>3</sup> Lawrence Berkeley National Laboratory, 2002, Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory, June.

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### 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,

Me polat

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

YN:RR:cr

Attachments

Reginald Raminez

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





FIGURES

# **REGIONAL LOCATION**



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







TABLES

	<b>D</b> (			
Sample ID	Date	TEPH as dies	sel	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 Sc	cenario <sup>2</sup>	$150^{3}$		15,000 <sup>4</sup>
Residential Land Use	ESLs <sup>5</sup>	83		410
Class III Landfill Was	te			
Acceptance Criteria	5	2.500		2.500

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

#### 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.

<sup>1</sup> 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).

<sup>2</sup> 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.

<sup>3</sup> Middle distillates.

<sup>4</sup> Residual distillates.

<sup>5</sup> 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 A, Environmental Screening Levels (ESLs), Shallow Soils ( $\leq$ 3m bgs), Groundwater IS a Current or Potential Source of Drinking Water.

<sup>6</sup> 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 II         Antimony         Antimony         Antimony         Beryllium         Beryllium         Chromium         Beryllium         Cobalt         Copper         Molybdenum         Nickel         Nickel         Silver         Silver	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 <b>5.8 200 0.40 0.37 33</b> <0.05 <b>9.9 52 31 0.11 0.83 47</b> <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       <0.25       <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       <0.25       <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       <0.25       <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         <0.25         <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
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	32 35
TTLC (mg/kg) <sup>2</sup> 500 500 10,000 75 100 2,500 500 8,000 2,500 1,000 20 3,500 2,000 100 500 700 2	2,400 5,000
STLC (mg/L) <sup>3</sup> 15 5 100 0.75 1 5 <sup>10</sup> 5 80 25 5 0.2 350 20 1 5 7 2	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) <sup>5</sup> 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 <sup>6</sup> 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 <sup>7</sup> <10 24 410 1.1 5.6 120 25 63 57 0.5 <5 270 5.1 3 10 9	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 2,000 100 500 700 700 700 700 700 700 700 700 7$	2,400 5,000
Class III Acceptance Criteria	
Soluble Threshold Concentration	
(mg/kg) <sup>9</sup> 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.

<sup>1</sup> 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).

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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 A, Environmental Screening Levels (ESLs), Shallow Soils (≤3m bgs), Groundwater IS a Current or Potential Source of Drinking Water.

<sup>7</sup> Lawrence Berkeley National Laboratory, 2002, Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory, June.

<sup>8</sup> Total threshold concentrations for Ox Mountain Sanitary Landfill are based on the January 2005 Waste Acceptance Guidelines.

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

<sup>10</sup> 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 <sup>1</sup>	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 <sup>2</sup>		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.

 $\mu g/L = micrograms$  per liter.

<sup>1</sup> 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).

<sup>2</sup> 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:510-388-3556 / FX:510-388-2917

FACSIMILE TRANSMITTAL SHEET								
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477 ROLAND WAU'S CAFALARED IA 94623 - 516-389-3556 S FAILA 64385 2011

ATTACHMENT C

# LABORATORY REPORT

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# QUALITY CONTROL CHECKLIST FOR REVIEW OF LABORATORY REPORT

Job No.	¥5394-18	Tabét
Laboratory:	Curtis and Tompkins, Ltd.	Labor BAS
Report Date:	2 May 2008	1373.J

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Site: East Oakland Sports Center ratory Report No.: 202650 ELINE Reviewer: Redgy Ramirez

oese opia a.	nation or action on "no" responses; document discussion in comments section.) Does the report include a case narrative? (A case narrative MUST be prepared by the	x		
ь.	lab for all analytical work requested of pressure of the state of the case narrative/lab is the number of pages for the lab report as indicated on the case narrative/lab is the number of pages that are included in report?		x	
c. (	transmittal consistent which the number capital process the case narrative indicate which samples were analyzed by a subcontractor and			× ×
.d.	Does the case narrative summarize subsequent requests not shown on the chain-of-			×
 [c.	Does the case narrative explain why requested analyses could not be performed by		<b></b>	X
1 f.	Does the case narrative explain all problems with the QA/QC data as identified in the	x	. <u> </u>	
	checklist (as application)	x	 	
2a.	Is the laboratory report correct?	x	ļ	- 🗱
2Ъ.	Are the sample and reported the original chain-of-custody form?	x	<u> </u>	-
3a.	Does the iao report metals and yzed as requested on the chain-of-custody form?	x	ļ	-1000
3b. 4.	Were all samples appropriately integrated as being reviewed by the laboratory director, QA 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	×		
Sa	laboratory) Are preparation methods, cleanup methods (if applicable), and laboratory methods	x		
51	<ul> <li>If additional analytes were requested as part of the reporting of the data for an analytical method, were these included in the lab report?</li> </ul>			
6	Are the units in the lab report provided for each analysis consistent throughout the report?	×		
7	Are the detection limits (DL) appropriate based on the intended use of the data (e.g.,	×		

#### Quality Control Checklist - continued

		Yes	No	
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?			х
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?			х
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)?	×		
<u>1</u> 1b.	Is a standard chromatogram(s) included in the laboratory report?	x		
Jlc.	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?			×
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
<i>QA</i> / Fiel	QC Questions d/Laboratory Quality Control - Groundwater Analyses		<b></b>	
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

		Yes	Nor	
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, meservation, 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.)			х
Bat (Sat few firar	ch Quality Control nples are batched together by matrix [soil, water] and analyses requested. A batch genera er samples of the same matrix type, and is prepared using the same reagents, standards, pr ne as the samples. QC samples are run with each batch to assess performance of the entire ness b	lly cons ocedure measu	ists of 2 s, and th rement	0 or me
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		
181	. If no, is an explanation provided in the case narrative to validate the data?			x
18	2. 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
18	d. 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		
20	Da. 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

		<b>FNO</b>	
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 rehatching 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?	1		х

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#### 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

Bascline Environmental 5900 Hollis Street Emeryville, CA 94608		Project Location Level	: ¥5394-18 : East Oakla : II	nd Sports	Center	
				n		
	Lab TD		<u>Sample ID</u>		<u>Lab ID</u>	

Sample ID		B17.4 5!	202650-041	
B01;0.0'	202650-001	D17,4.5 D10-4 5'	202650-042	
B02;0.0'	202650-002	010;4.5 <sup>1</sup>	202650-043	
B03;0.0'	202650-003	B19,9.9 B20,4 5'	202650-044	
B04;0.0'	202650-004	520, 4. 5'	202650-045	
B05;0.0'	202650-005	B21, 4.5	202650-046	
B06;0.0'	202650-006	D21,	202650-047	
B07;0.0'	202650-007	625,417 674.4 51	202650-048	
B08;0.0'	202650-008		202650-049	
B09;2.0'	202650-009		202650-050	
B10;2.0'	202650-010	B02;2:0	202650-051	
B11;2.0'	202650-011	B03;2.0	202650-052	
B12;2.0'	202650-012	B04;2.0	202650-053	
B13;2.0'	202650-013	BUS;2.01	202650-054	
B14;2.0'	202650-014	B06;2.0*	202650-055	
B15;2.0'	202650-015	B07;2.01	202650-056	
₽16;2.D'	202650-016	BU8;2.0*	202650-057	
B17;2.0'	202650-017	BOB;6'2.	202650-058	
B18;2.0'	202650-018	B10;6.5'	202650-059	
B19;2.0'	202650-019	B11;6.5	202650-060	
B20;2.0'	202650-020	812;6.5'	202650-061	
B21;2.0'	202650-021	B13;6.5'	202650+062	
B22;2.0'	202650-022	B14;6.5	202650-063	
B23;2.0'	202650-023	B15;6.5'	202650-064	
B24;2.0'	202650-024	B16;6.5'	202050 005	
801,1.0'	202650-025	B17;6.5	202050-005	
B02;1.0	202650-026	B18;6.5'	202030-000	
B03;1.0'	202650-027	B19;6.5'	202850-007	
B04;1.0'	202650-028	B20;6.5'	202650-069	
B05;1.0'	202650-029	B21;6.5'	202650-009	
B06;1.0'	202650-030	B22;6.5'	202650-070	
B07;1.0'	202650-031	B23;6.5	202850-072	
B08:1.0'	202650-032	B24;6.5'	202650-072	
B09:4.5'	202650-033	B01,02,03,04;0.0'	202650-073	
B10:4.5'	202650-034	B05,06,07,08;0.0'		
B11:4.5'	202650-035	B09,10,11,12;2.0'	202650-075	
B12:4.5'	202650-036	B13,14,15,16;2.0'		
B13:4.5'	202650-037	B17,18,19,20;2.0	202050-077	
B14:4.5'	202650-038	B21,22,23,24;2.0		
B15:4.5'	202650-039	B01,02,03,04;1.0	202050-073	
B16:4.5'	202650-040	B05,06,07,08;1.0'	202620-000	

NELAP # 01107CA

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Page 1 of \_\_\_\_

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

#### Laboratory Job Number 202650 ANALYTICAL REPORT

<u>Sample ID</u>	Lab ID	<u>Sample ID</u>	<u>Lab ID</u>
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: Project Manager

Signature:

Operations Manager

Date: <u>05/01/2008</u>

Date: 05/02/2008

NELAP # 01107CA

Page 2 of \_



#### CASE NARRATIVE

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

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

#### <u>Pesticides (EPA 8081A):</u>

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.

Laboratory Curtis and Tompkins, Ltd. BASELINE Contact Person Redgy Ramirez Remarks/ Composite composite composite composite composite composite Tum-Around-Time Normal 5-Day redev(it)baseline-cnv.com Arrival at Laboratory: Please provide EDD ٤, Email contact: Remarks: (1012-0758 wes an Ice, introd bodiow AGE) alfAv (1808 poulary × × anixolitzonngiO AGH) zabioitzaG  $\approx$  $\times$ × 44103 لافا دادمەسە (شكم) 1991 دادمەسە (شكم)  $\approx$  $\asymp$ ×  $\sim$  $\geq$ P.P.I as diesel and IP.I as diesel and IP.I.I. vith silica Date/Time Зрт (9617 borlaw) (9612 borlaw)  $\approx$  $\succ$ ×  $\approx$  $\sim$ Vd3) ұпо!<u>к</u>чехі9]-] (V0747/80103  $\approx$ Method Wetho 22 metals (GPA  $\approx$ × × × HONN \*OS Preservative CHAIN OF CUSTODY RECORD CONH f-ICT  $\times$ × × × Х ×  $\approx$  $\times$ × × ×  $\sim$ × ×  $\sim$ ១១ ស្រ × ×  $\approx$ Received by: (Signature) Received by: (Signature) Received by: (Signature) Glass Jar - and Containers 250 ml Poly Alo<sup>q</sup>-J Comments: ∀OA I<sup>02</sup>•0≯ 3:00 PH 4/17/08 ר-∀פ Type arcond Date/Time Date/Time Date/Time  $\succ$ ×  $\times$  $\simeq$  $\sim$ × × × Shutyrate  $\sim$ <u>ج</u>ا ×  $\approx$  $\geq$ × ×  $\times$ × × ź <u>Q</u> ŝ u) Ś Media 6 ŝ ŝ Ś ŝ ò 5 ŝ Ś ŝ ι, ŝ t/D ŝ ŝ Ś YES East Oakland Sports Center 1260 80 41 1300 22 152 0744 1033 0853 0001 2101 4112108 0757 22.00 <u>039</u> 201 25 0481 4 1 + 1 0 8 10 V **BASELINE Environmental Consulting** 1251 Тіте Received at laboratory with intact: Tel: (\$10) 420-8686 Fax: (510) 420-1707 90 E 417108 4/13/02 80 417-08 4 12 10 2 2014 2014 417 98 4(11-1 08 801411 Relifiquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) 4 4 10 8 <u>4014[08</u> Y5394-18 Kamer Ramer 4 Date 2 4 4 4 7 5900 Hollis Street, Saile D Elactyville, CA 94588 (amplets: (Signature) Bernach Kumald Project Number Project Name: B19.2.0' B162.0' B172.0' (B18,2.0' B12,2.0' B13;2.0' B14;2.0 B15;2.0 Sample ID No. Station B07,0.0 B112.0 B03,0.0' B04,0.0' 0.0;20.0 801-0-0 B06;0.0' B08:0.0 B09;2.0 B10:2.0 B02;0.0' کیتر The 9 2 5 s Ξ ēΟ R ž. \*\* Š ř÷-بر ÷

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**BASELINE Environmental Consulting** 

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BAS	5900	Ener Tel: (	Pidie Pidie	È	Ξ.	X		1a	E E	B16	<u>E</u>	E	5	1823	Ê	<u>[a</u>	<u>lä</u>	80	â	<u> </u>		8	Ĩ	<u>B</u>	<u>a</u>		E S		<u> </u>	Rei	12	Re	<u> </u>	12		2			
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Laboratory Curtis and Tompkins, Ltd. BASELINE Contact Person Redgy Ramire2 Composite Remarks/ Composite Composite Composite <u>redev@baseline-env.com</u> Please provide EDD Arrival at Laboratory. Email contact: Remarks: (miz-0728 pothatvi A9⊡) हाने∧9 324 (Mei 08 borba)) (Mei 08 borba) •• ¥43) × × × P-1 as diesel and motor oli with silica 4/17/08 Date/Time itteliseks dirensium () bietised 7196)  $\approx$ ×  $\approx$ (EFA alaton S2 altiT borlioM A42) (A0747450105 ×  $\approx$ × HO<sup>®</sup>N °os Preservative <sup>I</sup>ONH TOH × × abilities × × × × X  $\times$  $\geq$ × × >< Received by: (Signature) Received by/(Signamre) Received by: (Signature) Class Jar Containers C 720 WI 501X VIOT-J ∀OA lui+0♭ Comments: 640 n. 8 80/41/16 ר∙∀פ Type ອາດວກມີ Date/Time Date/Time Date/Time atervarate  $\approx$ × × × × × ≫ × ×  $\times$ × ź 2 Media c⁄o c⁄a က Ś ŝ  $\mathbf{S}$  $\infty [\omega]$ ŵ East Oakland Sports Center YES 0956 360 09 03 1050 1917 7190 6490 800) 41 17/02 0833 Time 2 Received at laboratory with intact: Tel: (510) 420-8686 Fax: (510) 420-1797 4/17/08 \$0 HIF 111/08 A117 108 4/17/08 4/17/08 4/17/08 Y5394-18 417/05 Relinquished by: (Signature) famer (elinquished by: (Signature) Remark Roman Date Emeryville, CA 94603 ampters: (Signature) **Heynerald** Sample ID No. Station Project Number Project Name: 7 (65 B17;6.5' 64 B19;6.5' 67 B19;6.5' B20;6.5' B21;6.5 B22;6.5 65 <u>B15;6.5'</u> B23-6.5' (2B14;6.5 B13;6.5' 824:6.5 SHE E 5

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CHAIN OF CUSTODY RECORD

**BASELINE Environmental Consulting** 

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5900 Hollis Street, Suite D

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Tum-Around-Time Normal 5-Day

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## COOLER RECEIPT CHECKLIST



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Login # 202650 Date Received <u>4/17/08</u> Number of coolers Z Client BASELINE ENV. Project EAST DAYLERD SPORT CENTER
Date Opened <u>4/17/05</u> By (print) M.NILLINUELE (sign)
1. Did cooler come with a shipping slip (airbill, etc)?
<ul> <li>2A. Were custody seals present? [] YES (circle) on cooler on samples Date</li> <li>How many Name Date</li> <li>2B. Were custody seals intact upon arrival?</li></ul>
🗌 Bubble Wrap 📋 Foam blocks 🔄 Bags 👘 Mone
Cloth material Cardboard $\Box$ Styrofoam $\Box$ Paper towels 7. If required, was sufficient ice used? Samples should be $\leq \sigma r = 6^{\circ}C$
Type of ice used: WET DELUE DONE Temp(°C) NO TRAP BLANK
SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD, COOLING PROCESS HAD BEGUN.
<ul> <li>8. Were soil Encore sampling devices present?</li></ul>
COMMENTS SAMPLE 1304; 1.0' TIME ON SAMPLE OB21
SOP Volume: Client Services Rev: 4 Number 1 of 3

Section: 1.1.2 Page 1 of 1

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Rev: 4 Number 1 of 3 Effective: 06 March 2008 F:\qc\forms\checklists\Cooler Receipt Checklist\_rv4.doc

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	Totaj	l Extractal	ole Hydrocarbo	28. 
Lab #; Client; Project#:	202650 Baseline Environm Y5394-18	ental	Location: Prep: Analy <u>sis:</u>	East Orkland Sports Center SHAKER TABLE 2PA 8015B
Matrix: Units: Basis: Diln <u>Fac:</u>	Soil mg/Kg as received 1.000		Batch#: Sampled: Received: Prepared:	137281 04/17/08 04/17/08 04/22/08
Field ID: Type: ab ID:	B01,02,03,04;0.0' SAMPLE 202650-073		Analyzed: Cleanup Method:	04/23/08 EPA 3630C
Anal Diesel Cl0-C24 Motor Oil C24-C	vte 36	Result 7.6 Y 75	RE 1. 5.	0 0
Surro Hexacosane	gate 13	60 1410155 48-128		
Field ID:	1905,06,07,08;0.0'		Analyzed:	04/23/08
Type: ab ID:	SAMPLÉ 202650-074		Cleanup Method:	EPA 3630C
Diesel Cl0-C24 Motor Oil C24-C	9 <b>56</b>	12 Y 71	1. 5.	0 0
Hexacosane	gate 88	EQ Dimits 48-128		
ield ID: Type: Tab ID:	B09,10,11,12;2.0' SAMPLE 202650-075		Analyzed: Cleanup Method:	04/23/08 EFA 3630C
Diesel C10-C24 Motor Oil C24-C	yte 36	Recult 2.5 Y ND	RE 1. 5.	0 0
('Hexacosane	gate %R 74	EC Limita 48-128		
ield ID: Type: Lab ID:	B13,14,15,16;2.0' SAMPLE 202650-076		Analyzed: Cleanup Method:	04/23/08 EFA 3630C
Anel Diesel Cl0-C24 Motor Oil C24-C	yte 36	Result 3.2 Y 13	RL: 1 - 5 -	0 C
Hexacosane	9356 64	EC Limits 48-128		
<u>Y.</u>				
Y - Sample exhib "D= Not Detected L= Reporting Li	its chromatographic mit	pattern whi	ch does not resem	ble standard

L= Reporting Lim #ge 1 of 5/

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	Tota	il Extracta	ble Sydrocarbo	0.6
Lab #: -Client: .Project#:	202650 Baselinc Environ Y5394-18	nental	Location: Frep: Analysis:	Bast Oakland Sports Center SHAKER TABLE EPA 8015B
Matrix: Units: Basis: Diln Fac:	Soil mg/Kg as received 1.000		Batch#; Sampled: Received: Prepared;	137281 04/17/08 04/17/08 04/22/08
Field ID: Type: Lab ID:	B17,18,19,20;2.0 SAMPLE 202650-077		Analyzed: Cleanup Method:	04/23/08 EFA 3630C
Diesel Clo-C24 Motor Oil C24-C	919. 36 .	Reaule 2.8 Y 13	<b>RL</b> 0. 2.	99 0
Nexacosane	gate 62	380 Inimitia 48-128		
rield ID: Field ID: Type: tab ID:	- B21,22,23,24;2.0' SAMFLE 202650-078		Analyzed: Cleanup Method:	04/23/08 EPA 3630C
Anal	vite	Result	R76	
Diesel C10-C24 Motor Oil C24-C	36	1.3 Y ND	1, 5.	0   0
Diesel Cl0-C24 Motor Oil C24-C Hexacosane	36 gate:	1.3 Y ND 75C Binites 48-125	1. 5.	
Field ID: Type: Lab ID:	36 936 77 B01,02,03,04;1.0' SAMPLE 202650-079	1.3 Y ND (EC 11101115 48-126	1. 5: Analyzed: Cleanup Method:	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Field ID: Type: Lab TD: Diesel Cl0-C24 Hexacosane Field ID: Type: Lab TD: Anal Diesel Cl0-C24 Motor Oil C24-C	36 936 937 901,02,03,04;1.0' 5AMPLE 202650-079 956 36	1.3 Y ND (EC Himits 48-128 (Result 3.2 Y 30	1. 5. Analyzed: Cleanup Method: Rig 1. 5.	0 0 0 0 0 0 0 0 0
Diesel C10-C24 Motor Oil C24-C Burro Hexacosane Field ID: Type: Lab ID: Diesel C10-C24 Motor Oil C24-C Hexacosane	36 936 77 B01,02,03,04;1.0' SAMPLE 202650-079 VCC 36 9452 81 74	1.3 Y ND RESULT: 3.2 Y 30 REC MINUTES 48-128	1. 5. Analyzed: Cleanup Method: RL 1. 5.	0 0 0 0 0 0 0 0 0 0 0
Field ID: Type: Lab ID: Diesel C10-C24 Hexacosane Field ID: Type: Lab ID: Diesel C10-C24 Motor Oil C24-C Hexacosane Field ID: Type: Lab ID: Field ID: Type: Lab ID: Field ID: Surre	36 Gate 81 77 B01,02,03,04;1.0' SAMPLE 202650-079 Vte 36 Gate 8 74 B05,06,07,08;1.0' SAMPLE 202650-080	1.3 Y ND Result 3.2 Y 30 REC himits 48-128	1. 5. Analyzed: Cleanup Method: 1. 5. Analyzed: Cleanup Method:	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Field ID: Type: Lab ID: Diesel C10-C24 Motor Oil C24-C Motor Oil C24-C Motor Oil C24-C Burto Hexacosane Field ID: Type: Lab ID: Surro Anal Diesel C10-C24 Motor Oil C24-C Motor Oil C24-C	36 77 B01,02,03,04;1.0' SAMPLE 202650-079 74 B05,06,07,08;1.0' SAMPLE 202650-080 9EE 36	1.3 Y ND Result 3.2 Y 30 (EC Minites 48-128 (EC Minites 48-128	1. 5. Analyzed: Cleanup Method: 1. 5. Analyzed: Cleanup Method: Rh 0. 5.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 2 of 5

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17.19.19.19.19.19.19.19.19.19.19.19.19.19.	Tota	l Extractal	le Hydrocarbon	le
iab #: Client:	202650 Baseline Environm	ental	Location: Prep: Analysis:	East Oakland Sports Center SHAKER TABLE EFA 8015B
Atrix: Jnits:	Soil mg/Kg		Batch#: Sampled:	137281 04/17/08 04/17/08
Basis:   <u>Diln Fac</u> :	as received 1.000		Prepared:	04/22/08
	500 10 11 77-4 SI		Analyzed:	04/23/08
ype: ab ID:	SAMPLE 202650-081		Cleanup Method:	EFA 3630C
Anal LDiesel Cl0-C24	усе	Reenits	RL 1-	0
Motor Oil C24-C	36	ND		U
Surro Hexacosane	gate	EC Limics 48-128		
Field ID:	B13,14,15,16;4.5'		Analyzed: Cleanup Method:	04/23/08 EPA 3630C
ab ID:	202650-082		• /////	
Diesel Clo-C24	yte	Result 2.5 Y	0. 5.	59 0
MOCOF OIL CZ4-C				
Hexacosane	94	48-128		
: •				
Field ID: Type:	B17,18,19,20;4.5' Sample		Analyzed: Cleanup Method:	04/23/06 EPA 3630C
- áb in:	202650-083			
Diesel Clo-C24	. <u>Yte</u>	Resuit 2.1 Y 5.8		0 0
		PC AND S		
Hexacosane	86	48-128		
.ield ID: . Type:	B21,22,23,24;4.5' SAMPLE		Analyzed: Cleanup Method:	04/23/08 EFA 3630C
tab ID:	202650-084		oudelle chronornoniono possionississi – e 1988.	
Diesel Clo-C24	<u>yte</u> 36	2.7 X 6.1	ò. 5.	99 0
Surr	spate: SI	a. e		
Hexacosan¢	96	48-128		·
y= Sample exhib	oits chromatographic	c pattern whi	ch does not resem	ble standard
<b>W</b>				

L= Reporting Limit

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	Tota	l Extracta	ble Hydrocarbo	as
LaD #: Client: .Project#:	202650 Baseline Environm Y5394-18	ental	Prep: Analysis:	SHAKER TABLE EPA 8015B
Matrix: Units: .Basis: .Diln Fac:	Soil mg/Kg as received 1.000		Batch#; Sampled: Received: Prepared:	137281 04/17/06 04/17/08 04/22/08
Field ID: Type: Lab ID:	B01,02,03,04;2.0' SAMPLE 202650-085		Analyzed: Cleanup Method:	04/23/08 EFA 3630C
Anel Diesel Cl0-C24 Motor Oil C24-C	<u>96</u>	Result 2.0 X 9.8	RL 1. 5.	0 0
Hexacosane	gate 87 92	EC Island.ts 48-128		
Field ID: Type: Lab ID:	B05,06,07,08;2.0' Sample 202650-086		Analyzed: Cleanup Method:	04/23/09 EFA 3630C
Diesel C10-C24 Motor Oil C24-C	vte36	Reguit 1.2 Y 8.2	RD 1 - 5 -	
Surro	gate SR	and the second		
<u>nexacosane</u>	90	48-128	inner milling die van die staat van die staat die staat in eenste see die staat die staat die staat die staat v	
Field ID: Type: Lab ID:	90 È09,10,11,12;6.5' SAMPLE 202650-087	48-128	Analyzed: Cleanup Method:	04/23/08 EFA 3630C
Field ID: Type: Lab ID: Diesel Cl0-C24 Motor Oil C24-C	90 B09,10,11,12;6.5' SAMPLE 202650-087 Ste 36	48-128 Repuit ND ND	Analyzed: Cleanup Method: RL 1. 5.	04/23/08 EFA 3630C 0 0
Field ID: Type: Lab ID: Diesel Cl0-C24 Motor Oil C24-C Hexacosane	90 B09,10,11,12;6.5' SAMPLE 202650-087 yte 36 gate &R 77	48-128 Repuit ND ND EC 14m115 48-128	Analyzed: Cleanup Method: RL 1. 5.	04/23/08 EPA 3630C
Field ID: Type: Lab ID: Diesel Clo-C24 Motor Oil C24-C Hexacosane Field ID: Type: Lab ID:	90 B09,10,11,12;6.5' SAMPLE 202650-087 SAMPLE 202650-088 90 90 90 90 90 90 90 90 90 90	48-128 Repuit ND ND EC 14101158 48-128	Analyzed: Cleanup Method: 1. 5. Analyzed: Cleanup Method:	04/23/08 EPA 3630C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Field ID: Type: Lab ID: Diesel C10-C24 Motor Oil C24-C Hexacosane Field ID: Type: Lab ID: Diesel C10-C24 Motor Oil C24-C	90 B09,10,11,12;6.5' SAMPLE 202650-087 Yte 36 B13,14,15,16;6.5' SAMPLE 202650-088 Yte 36	48-128 ND ND EC 14m115 48-128 Remuit ND ND	Analyzed: Cleanup Method: 1. 5. Analyzed: Cleanup Method: RL 1. 5.	04/23/08 EFA 3630C 0 0 0 0 0 0 0 0 0 0 0

Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Fage 4 of 5

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	Tota	l Extractab	le Hydrogarbon	В	
Lab #: Client:	202650 Baseline Environm Y5394-18	ental	Location: Prep: Analysis:	East Oakland SHAKER TABLE EFA 80158	Sports Center
Matrix: Units: Basis: Diln Pac:	Scil mg/Kg as received 1.000		Batch#: Sampled: Received: <u>Prepared:</u>	137281 04/17/08 04/17/08 04/22/06	· · · · · · · · · · · · · · · · · · ·
Field ID: Type: ab ID:	B17,18,19,20,6.5 SAMPLE 202650-089		Analyzed: Clcanup Method:	04/23/08 EPA 3630C	
Diesel Cl0-C24 Motor Oil C24-C	yte	Result 1.7 Y ND	RL )( 5.(	5 5	
-Hexacosane	g <u>ate</u> 988 71	EC Limits 48-128			
Field ID; Type: ab ID:	B21,22,23,24;6.5' SAMPLB 202650-090		Analyzed: Cleanup Method:	04/23/08 EPA 3630C	
Anel Dicsel Clo-C24 Motor Oil C24-C	966	ND ND	0. 5.	9 9 0	
Hexacosane	gate %8 73	EC Limits 48-128			
Type: Lab 1D:	Blank QC438332		Analyzed: Cleanup Method:	04/23/08 EPA 3630C	
Diesel C10-C24 Motor Oil C24-C	36	ND ND	RL 1. 5.	0 0	
Hexacosane	ogate <u>8</u> 57	48-128			
Т. <u>у</u> 					

Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected NL= Reporting Limit age 5 of 6

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	Total Expranta	ble Hydrodarbo	38
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		· · · · · · · · · · · · · · · · · · ·
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Cleanup Method: EPA 3630C

Analyte		Spiked	R细的引足	**************************************	i hamits	
Diesel C10-C24		49.71	33.54	67	54-126	
Surrogate	*REC	Trimits				
Hexacosane	68	45-128				



	Total	Extractable	Hydrocarbo	ns.		
Lab #:	202650	Loc	ation:	East Oakland	Sports Ce	nter
Client;	Baseline Environment	al Pre	цр :	SHAKER TABLE		
Project#:	Y5394-18	Ana	lysis:	EFA 801SB		
Field ID:	B05,06,07,08;0.0'	Bat	ch#:	137281		ĺ
MSS Lab ID:	202650-074	Sam	wpled:	04/17/08		
Matrix:	Soil	Rec	eived:	04/17/08		
Units:	mg/Kg	Pre	pared:	04/22/08		
Basis:	as received	Ana	lyzed:	04/23/08		
Diln Fac:	1,000					
Type:	MS	Cle	anup Method:	EPA 3630C		
ralo ILD:	QC420224					
1						
Analy Diesel Clo-C24	to MSS Rep 11	ault 1.98	Spi%ed 49.68	Eesult 28.87	RREC 34	Limits 34-144
Analy Diesel Clo-C24 Surr Hexacosane	to MSS Rei 11 Ogate kREC 49	11111 1.98 11111115 48-128	Spiked 49.68	Result 28.87	34	34-144
Analy Diesel Clo-C24 Surr Hexacosane Type: .ab ID:	to MSS Rei 13 bgate kREC 49 MSD QC438335	niit 1.98 Jiimita 48-128 Cle	Spiked 49.68	Result 29.87 	34 34	34-144
Analy Diesel Clo-C24 Surr Hexacosane Type: .ab ID:	eo MSS Rei 13 Dgate EREC 49 MSD QC438335	niit 1.98 Jimits 48-128 Cle	Spiked 49.68 sanup Method: Result	Result 29.87 EPA 3630C %REC	*REC 34 34	RPD Lim
Analy Diesel Clo-C24 Surr Hexacosane Type: .ab ID: Are Diesel Clo-C24	to MSS Rei 11 Dgate kREC 49 MSD QC438335 Lyte	111t 1.98 1.98 48-128 Cle Spi%ed 49.79	Spiked 49.68 eanup Method: Result 33.	Result 28.87 EPA 3630C &REC 92 44	+REC 34 14 14 14 34 - 144	RPD Lim 16 47
Analy Diesel Clo-C24 Surr Hexacosane Type: .ab ID: Diesel Clo-C24	to MSS Rei 11 Dgate kREC 49 MSD QC438335 Lyte	1111 1.98 1111115 48-128 Cle Sp1Ked 49.79	Spiked 49.68 eanup Method: Result 33.	Result 28.87 EPA 3630C \$REC 92 44	+REC 34 14 14 144	RPD Lim 16 47
Analy Diesel CLO-C24 Surr Hexacosane Type: .ab ID: Diesel CLO-C24 Surr Hexacosane	to MSS Res 11 Dgate MREC 49 MSD QC438335 Tyte Cgate NREC 60	1111 1.98 1.98 48-128 Cle Spi%ed 49.79 C4mits 48-128	Spiked 49.68 eanup Method: Result 33.	Result 28.87 EPA 3630C 52 44	+REC 34 34 34 34 34 34-144	RPD Lim 16 47
Analy Diesel CLO-C24 Surr Hexacosane Type: .ab ID: Ana Diesel CLO-C24 Surr Hexacosane	to MSS Res 11 Dgate MREC 49 MSD QC438335 IVte Ogate NREC 60	hilt 1.98 1.98 48-128 Cle Spi%ed 49.79 Limita 48-128	Spiked 49.68 eanup Method: Result 33.	Result 28.87 EPA 3630C 8REC 92 44	+REC 34 34 14103-te 34-144	RPD Lim 16 47

RPD= Relative Percent Difference

Page 1 of 1

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11 Carlos Carlos



	Ørganochlør	ine Pesticides	
Lab #:	202650	Location:	East Cakland 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	DN	5.1	
delta-BHC	ND	5.).	
Heptachlor	ND	5.ì.	
Aldrin	ND	5.1	
Heptachlor epoxide	ND	5.1	
Endosulfan I	CIQ	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	CIM	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	Limite	
TCMX	75	40-120	
Decachlorobiphenyl	61	43-142	

ND= Not Detected RL= Reporting Limit Fage 1 of 1

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	Organooblic	vrine Pesticide	S
Lab #:	202650	Location:	East Oakland Sports Center
llient:	Baseline Environmental	Prep:	EPA 3550B
} ?roject#:	Y5394-18	Analysis:	BPA 9081A
Field ID:	B05,06,07,08;0.01	Batch#:	137197
Lab ID:	202650-074	Sampled:	04/17/08
fatrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/06
Diln Fac:	3.000		

Cleanup Mathod: 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	5.3.
deptachlor epoxide	ND	5.1
Endosulfan I	ND	5.1
_ Dieldrin		9.9
4,4'-DDE	ND	9.9
Endrin	ND	9.9
Fndosulfan 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-Chlordanc	ND	5.1
Methoxychlor	ND	51
Toxaphene	ND	160

Surrogate	· · · · · · · · · · · · · · · · · · ·	Limits	
TCMX	83	40-120	
Decachlorobiphenyl	62	43-142	

D= Not Detected L= Reporting Limit Page 1 of 1

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	Organødhle	orine Pesticide	5	
Lab #:	202650	Location:	East Oakland Sports Center	265
Client:	Baseline Environmental	Prep:	EPA 3550B	- [
Project#:	¥5394-18	Analysis:	EFA SOSLA	
Field ID:	B09,10,11,12;2.0'	Batch#:	1371,97	
Lab ID:	202650-075	Sampled:	04/17/08	
Matrix:	Soil	Received:	04/17/08	ļ
Units:	ug/Kg	Frepared:	04/21/08	
Basis:	as received	Analyzed:	04/22/08	
Diln Fac:	1.000			

Cleanup Method: BPA 3620B

Analyte	Reguit	яЦ	÷.
alpha-BHC	ND	1.7	ľ
beta-BHC	ND	1.7	
gamma - BHC	<u>C</u> M	1.7 ·	ł
delta-BHC	ND	1.7	ľ
Heptachlor	ND	1.7	
Aldrin	ND	3 7	
Heptachlor epoxide	ND	ኋ. 7	l
Endosulfan I	СM	1.7	
Dieldrin	ND	3.3	;
4,4'-DDE	ND	3.3	l
Endrín	ND	3.3	ľ
Endosulfan II	ND	3.3	ł,
Endosulfan sulfate	ND	3.3	
4,4'-000	ND	3.3	ľ
Endrin aldehyde	ND	3.3	
4,4'-DDT	ND	3.3	í
alpha-Chlordane	ND	1, . 7	
gamma-Chlordane	NE	1 7	ſ
Methoxychlor	ND	17	Į,
Toxaphene	ND	60	

Surrogate	******	C Limits
TCMX	8\$	40-120
Decachlorobiphenyl	67	43-142

: ND= Not Detected RL= Reporting Limit Page 1 of 1

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	Organochl	orine Pesticide	9
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Bnvironmental	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
Diln Fac:	1.000		

.

Cleanup Method: EPA 3620B

Analyte	Result	<b>HU</b>	
alpha-BHC		1.7	
beta-BHC	ND	1.7	
gamma - BHC	ND	1.7	
delta-BHC	ND	1 7	
Heptachlor	CTM	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	D.	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	1ýD	1.7	
gamma-Chlordane	ND	1.7	
Methoxychlor	UN	1.7	
Toxaphene	ND	60	

Surrogate	- REC	Limits		2
TCMX	80	40-120		1
, Decachlorobiphenyl	63	43-142		1

ND= Not Detected RL= Reporting Limit Page 1 of 1



	Organochild	rine Pesticide	. <b>9</b>
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EFA 3\$50B
Project#:	Y5394-18	Analysis:	EPA 6081A
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	Regult	RD	<u>@</u> !
alpha-BHC	CIN	1.7	
beta-BHC	ъ	1.7	1
gamma-BHC	ND	1.7	1
delta-BHC	ND	1.7	
Heptachlor	ND	1.7	Ι.
Aldrin	ND	1.7	- II.
Heptachlor epoxide	мD	1.7	
Endosulfan I	ND	1.7	
Dieldrin	ND	3,3	-lì
4,4'-DDB	MD	3.3	
Endrin	ND	3.3	
Endosulfan II	лл	3.3	h
Endosulfan sulfate	ND	3.3	- II
4,4'-000	ЦЙ	3.3	P
Endrin aldehyde	ND	3.3	
4,4'-DDT	ND	3.3	- H
alpha-Chlordane	CICI	1.7	- R
gamma-Chlordane	ND	1.7	
Methoxychlor	ND	17	1
Toxaphene	ND	60	

Surrogate	SREC	155matts	
TCMX	79	40-120	
Decachlorobiphenyl	68	43-142	

ND= Not Detected RL= Reporting Limit Page 1 of 1

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	Organochlor	ine Pesticides	
Lab #:	202650	Location:	East Oakland Sports Center
lient:	Baseline Environmental	Prep:	EPA 3550B
roject#:	Y5394-18	Analysis:	EPA SOBIA
Field ID:	B21,22,23,24;2.0'	Batch#:	137197
theb ID:	202650-078	Sampled:	04/17/08
atrix:	Soil	Received:	04/17/08
Units:	ug/Kg	Prepared:	04/21/08
Basis:	as received	Analyzed:	04/22/0B
iln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
heta-BHC	ND	1.7
amma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
ldrin	ND	1.7
E eptachlor epoxide	CIN	3.,7
Endosulfan I	ND	17
ieldrin	ND	3.3
.,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
ndosulfan sulfate	ND	3.3
-4'-DDD	ND	3.3
Endrin aldehyde	ND	. 3.3
.,4'-DDT	NTD	3.3
lipha-Chlordane	ND	1.7
gamma-Chlordane	CIM	1.7
'lethoxychlor	СПИ СПИ	17
loxaphene	ND	60

Surrogate	* *REC	Limits
'CMX	64	40-120
Jecachlorobiphenyl	73	43-142

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"D= Not Detected l≖ Reporting Limit Page 1 of 1

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	Organochiori.	ne Pesticides	
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	¥5394-18	Analysis:	EPA 8081A
Type:	ELANK	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

alpha-BHC         ND         1.7           beta-BHC         ND         1.7           gamma-BHC         ND         1.7           delta-BHC         ND         1.7           delta-BHC         ND         1.7           Heptachlor         ND         1.7           Aldrin         ND         1.7
beta-BHCND1.7gamma-BHCND1.7delta-BHCND1.7HeptachlorND1.7AldrinND1.7
gamma-BHCND1.7delta-BHCND1.7HeptachlorND1.7AldrinND1.7
delta-BHCND1.7HeptachlorND1.7AldrinND1.7
Heptachlor     ND     1.7       Aldrin     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 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

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

ND= Not Detected RL= Reporting Limit Mage 1 of 1

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	Organochlori	ne Pesticides	
; ;ab #:	202650	Location:	East Oakland Sports Center
lient:	Baseline Environmental	Prep:	EPA 3550B
Project#;	X5394-18	Analysis:	EPA 8081A
, *ype:	LCS	Diln Fac:	1.000
ab ID:	QC438009	Batch#:	137197
Matrix:	Soil	Prepared:	04/21/08
Units:	ug/Kg	Analyzed:	04/22/08
vasis:	as received		

### Cleanup Method: EPA 3620B

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Analyte	Spiked	Result	****	i limit tə
gamma - BHC	13.27	12.16	92	27-120
Heptachlor	13.27	12.51	94	25-323
. \ldrin	13.27	11.83	89	29-1.20
Dieldrin	26.54	25.33	95	32-127
Endrin	26.54	26.00	98	30-340
., 4 ' - DDT	26.54	24.43	92	29-130

Surrogate	SREC	Limite
TCMX	112	40-120
ecachlorobiphenyl	76	43-142

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### Batch QC Report

	Örganochlori	he Pesticides	
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	EPA 3550B
Project#:	¥5394-18	Analysis:	EPA 8081A
Field ID:	222222222	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: Lab ID:

gamma-BHC

MS

QC438010

Analyte

MSB Repult	Spiked	Result
<2.772	13.27	12.02
<3.102	13.27	12.10

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

Buttogate	3REC	Llinits
TCMX	102	40-120
Decachlorobiphenyl	85	43-142

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

Cleanup Method: EPA 3620B

Analyte SERIC Limits RDD Lim Spiked Result gamma-BHC 13.25 10.16 77 41-120 17 46 Heptachlor 13.25 10.28 78 40-126 50 16 Aldrin 13.25 10.02 76 45-120 1,9 46 Dieldrin 26.50 20.26 76 44-128 16 41 Endrin 26.50 21.00 79 31-134 7,7 49 4,4'-DDT 26.50 19.04 72 27-135 8 51

Surrogate	÷.	C Limits	
TCMX	86	40-120	
Decachlorobiphenyl	71	43-142	

RPD= Relative Percent Difference Page 1 of 1

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		Califor	nia Ti	tle 26 M	tetals :			
Lab #:	202650	in a kini matatata a adam		Project#:	Y :	5394-18	194 oo 20 goo waa saa 2019, 192	n noonalte officie on a serie filtere en reger
, lient:	Baseline Enviro	nmental		Location	Ea	ast Oakland	Sports	Center
Field TD:	B01,02,03,04;0.	0 '		Basis:		s received		
Lab ID:	202650-073			Diln Fac:	].	000		
Matrix:	Soil			Sampled:	Ō4	1/17/08		
Inits:	mg/Kg			Received:	04	1/17/08		
Analyte	Result	RE	Batch#	Prepared	Analy;ed	9 and 1	<b>A</b>	ав1увів
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
.3eryllium	0.33	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
ladmium	D.38	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Chromium	3.0	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
lopper	24	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
uead	62	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	5010E
Mercury	0.10	0.020	137251	04/22/08	04/22/08	METHOD	EPA	7471A
folybdenum	1.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Jickel	3 I.	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
Bilver	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

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		Califor	nia Ti	tlė 26 Me	stele.				
Iab #	202650			Project#:	ΥŞ	394-3	1, 8		
Client:	<u>Baseline</u> E	nvironmental		Location:	Ea	st Oa	akland	Sports	Center
Field ID:	B05,06,07,	08;0.0'	1	Basis:	â.S	rece	aived		
Lab ID:	202650-074		1	Diln Fac:	1.	000			
Matrix:	Soil		:	Sampled:	04.	/17/0	28		
Units:	mg/Kg		. 1	Received:	04	/17/0	38		
Analyte	Result	RL	Bacoh#	Prepared	Analyzad		Prep	Á.	talysis
Antimony	QИ	0,50	137232	04/21/08	04/21/08	EPA	30508	EPA	60103
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	5010B
Beryllium	0.3	8 0.10	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Cadmium	0.3	3 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	30503	EPA	6010B
Cobalt	9.2	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	601.0B
Copper	22	0.25	137232	04/21/08	04/21/08	EPA	3050B	<b>EPA</b>	6010B
Lead	36	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
Mercury	0.0	81 0.020	137251	04/22/08	04/22/08	MÉTH	IOD	EPA	7471A
Molybdenum	0.6	1 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	3050E	EFA	60108
Silver	CIM	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
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	60108
Zinc	67	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B

ND= Not Detected RL= Reporting Limit Page 1 of 1

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		Califor	nia Ti	tle 26 M	etals				
Lab #:	202650			Project#:	+4	394 -			
lient:	Baseline Envir	onmental		Location	Ea		akland.	Short e	Contes
vield ID:	B09,10,11,12:2	0'		Rasis		rece	ived	opor co	CONCET
Lab ID:	202650-075			Dilp Fact	3	000			
Matrix:	Soil			Sampled:	<u>~</u> .	117/1	) B		
Duits:	mg/Kg			Received:	04	/17/0	) A		
,						///			
Analyte :	Result	RL	Batch#	Prepared	Analyzed		Pren	Δ÷	
intimony	ND	0.50	1,37232	04/21/08	04/21/08	EPA	3050B	EPA	5010E
rsenic	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	60108
admium	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	EFA	60108
lopper	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	METH	OD	EPA	7471A
lolybdenum	0.38	0.25	137232	04/21/08	04/21/08	ÉPA	3050B	EPA	6010B
lickel	39	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	5010B
Selenium	ND	0.50	137232	04/21/08	04/22/08	EPA	30508	Б.РА	60108
Cilver	ND	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
hallium	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Vənadium	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

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F = Reporting Limit
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		Califor	nia Ti	tle 26 M	Getale				
Lab #:	202650	·····		Project#:	¥5	394-18			
Client:	Baseline Enviro	nmental		Location:	Ea	ast Oakland	Sports	Center	_
Field ID:	B13,14,15,16;2.	Ċ'		Basis:	as	s received			7
Lab ID:	202650-076			Diln Fac:	1.	.000			
Matrix:	Soil			Sampled:	04	/17/08			Ċ
Units:	mg/Kg			Received:	04	1/17/08			_(
Anelyte	Result	ri (	∴Batcb#	Prepared	Analyzed	₽≠şp	Ar Ar	nalysis	3
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	1
Arsenic	5,3	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	i,
Barium	180	0.25	137232	04/21/08	04/21/08	EPA 3050B	ÉPA	6010B	I.
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	1
Chromium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	
Cobalt	3.3	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	. ار
Copper	48	0.25	137232	04/21/08	04/21/08	SPA 3050B	EPA	601.0B	ł.
Lead	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	Ť
Mercury	0.35	0.020	137251	04/22/08	04/22/0B	METHOD	EPA	7471Å	J.
Molybdenum	0.47	0.25	137232	04/21/08	04/22/08	EPA 3050B	EPA	6010B	Ι.
Nickel	47	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	Ŕ,
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	1
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	GOLOR	1
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	ï
Zinc	88	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	μ.

ND= Not Detected RL= Reporting Limit Page 1 of 1

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	() 	2alifor	nia Ti	tle 26 M	etals					
Lab #:	202650	synny bre tere kreekt kiel bou	<u></u>	?roject#:	ΥΩ	394-3	18			<u>,</u>
. Client:	Baseline Enviro	nmental	1	location:	Es	ist Oa	akland	Sports	Center	
Field ID:	B17,18,19,20;2.	0'		Basis:	as	; rece	aived			
Lab ID:	202650-077		Ţ	Diln Fac:	1.	000				
Matrix:	Soil		ŝ	Sampled:	04	/17/0	38			
Jnits:	mg/Kg		1	Received:	04	/17/0	08			
Analyte	Restit	RE	Batch#	Prepared	Analyzed	an di	Ехер	A.	alysie	
Antimony	ND	0,50	137232	04/21/08	04/21/08	EPA	30508	EPA	6010B	
Arsenic	5.8	0.25	137232	04/21/08	04/21/08	$\mathbf{EPA}$	3050B	EPA	601.0B	
Barium	210	0.25	137232	04/21/08	04/21/09	epa	3050B	EPA	6010B	
Beryllium	0.43	0.10	137232	04/21/08	04/21/08	ËРА	3050B	EPA	6010B	
1admium	0.34	0.25	137232	04/21/08	04/21/08	$\mathbf{E}\mathbf{P}\mathbf{A}$	3050B	EPA	60108	
Chromium	33	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	601.08	
Cobalt	7, O	0.25	137232	04/21/08	04/21/08	EPA	3050B	EFA	60108	
Copper	27	0.25	137232	04/21/08	04/21/08	EPA	30\$08	EPA	6010B	
l read	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	METH	COL	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	60108	
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	
Thallium	ND	0.50	137232	04/21/08	04/21/06	EPA	3050B	$\mathbf{EPA}$	6010B	
Vanadium	33	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	
Zinc	150	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	
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Lab H.	202650	Callfor	nia Ti	tle 26 N	eta1s			
Client,	202650 Decelie - Decim			Project#:	 Y2	394-18	_	
Rield TD.	Baseline Envir	onmental		Location:	Ea	st Oakland	l Sports	Center
Lab TD.	0%1,22,23,24;2 207750 050	. U '		Başış:	#\$	received		
Matrix:	202850-078			Diin Fac:	1.	000		
IInite,				Sampled:	04	/17/08		
UIIICS;	10g7 Kg			Received;	. 04	/17/08		
					201 94407 12000 <b>1</b> 0000000 10000040		สมัยวิทยาล์ การการการการเป็นเสียง	×****
Antinony				Prepared	ANALYZOC	Prep.	<u></u>	121yste
Arsenić	56	0.50	10/202	04/21/08	04/21/08	EPA 3050E	S EPA	60108
Barium	170	0.20	107202 107000	04/21/08	04/21/08	5PA 3050E	EPA	60108
Beryllium	7,0 7,0	0.25	12/222	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Cadmium	VID.	0.20	137838	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Chromium	27	0.25	1.3/232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Cobalt	22	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Cobar	11	0.25	137232	04/21/08	04/21/08	SPA 3050B	EPA	6010B
Lead	78	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Mesanan	J, 3	0.25	137232	04/21/08	04/21/08	EFA 3050B	EPA	6010B
Melcury	0.043	0.020	137251	04/22/08	04/22/08	METHOD	EPA	7471A
MOIYDDEnum	0.55	0.2\$	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
Nickel	29	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
Sliver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	603.0B
Whallium	<u>MD</u>	0,50	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
vanadıum Əl	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
23.0C	4.5	3.,0	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B

ND= Not Detected RL= Reporting Limit Page 1 of 1 ,



		Califor	nia Til	tle 25 M	etal <i>s</i>				
Lab #:	202650		]	Project#;	Y5	394-1	18		
Client:	Baseline Envir	onmental	]	Location:	Ĕa	st Oa	akland	Sports	Center
field 3D:	B01,02,03,04;1	. 0 '	P	Basís:	as	rece	eived		
Lab ID:	202650-079		I	Diln Fac:	л.,	000			
Matrix:	Soil		5	Sampled:	04	/17/0	38		
Juits:	mg/Kg		Ŧ	Received:	04	/17/0	38		
Analyte	Restit	RL 8	※ 広まとつト井	Prepared	Analyzed		2xeb		iallyate
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	305036	EPA	6010B
Barium	1,30	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
3eryllium	0.33	0.10	137232	04/21/08	04/21/08	EPA	30503	EPA	6010B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA	3050B	$\mathbf{EPA}$	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	БРА	3050B	EPA	6010B
Mercuxy	0.50	0.020	137251	04/22/08	04/22/08	METI	IOD	EPA	7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA	3050B	ÉPA	6010B
Nickel	62	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Selenium	ND	0.50	137232	04/21/0B	04/21/08	ËPA	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	$\mathbf{E}\mathbf{P}\mathbf{A}$	601.0B
Vanadium	34	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Zinc	60	J O	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B

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EPA GOLOB

EPA 6010B

EPA 6010B

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	C.	alifor	nia Ti	tle 26 N	Getals.					
Lab #:	202650			Project#:	3	5394-3	18			
Client:	Baseline Enviro	nmental		Location:	Ĕ	last Oa	akland	Sports	Center	
Field ID:	805,06,07,08;1	יכ		Basis:	ā	s rece	sived			
Lab ID:	202650-080			Diln Fac:	Ľ	000				
Matrix:	Soil			Sampled:	C	4/17/0	80			4
Units:	mg/Kg			Received:	0	4/17/0	8			
Analyte	Result	RL	8atch#	Frepared	Analyzet		Prep.	A.	lalysis	
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	GOlOB	ł
Arsenic	5.8	0.25	137232	04/21/08	04/21/08	EPA	30508	EPA	60108	:
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	X,
Cadmium	0.37	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	1
Chromium	33	0.25	137232	04/21/08	04/21/08	ÈPA	3050B	EPA	6010B	Ì
Cobalt	9,9	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108	لي ،
Copper	52	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	601.0B	1
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	METF	IOD	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	601.0B	Ŷ.
Selenium	ŇD	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	L)

137232 04/21/08 04/21/08 EPA 3050E

137232 04/21/08 04/21/08 EPA 30508

137232 04/21/08 04/21/08 EPA 3050B

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Thallium

Vanadium

Zinc

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		Califor	nia Ti	tle:26 M	atals			
Lab #:	202650			Project#:	Y5.	394-18		
:lient:	Baseline Enviro	onment <b>al</b>		Location:	Ea:	st Oakland	Sports	Center
'ield ID:	B09,10,11,12;4	.5'		Basis:	as	received		
Lab ID:	202650-081			Diln Fac:	i.(	000		
Matrix:	Soil			Sampled:	04,	/17/08		
Thite:	ng/Kg			Received:	04,	/17/08		
Analyte	Result	RL	Batch#	Prepared	Analyzed	- S. Preps	Ľ¥.	1alysis
ultimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
rsenic	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
Reryllium	0.45	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA	5010B
:admi.um	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108
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
topper	73	0.25	137232	04/21/08	04/21/08	EPA 3050B	ÉPA	60108
Jead	S.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	ÈPA	7471A
olybdenum	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B
fickel	41	0.25	137232	04/21/08	04/21/06	EPA 3050B	EPA	6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	5PA 3050B	EPA	6010B
Cilver	ND	0.25	137232	04/21/08	04/21/08	EPA 3050E	EPA	6010B
'hallium	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	©PA 3050B	EPA	6010B
Zinc	34	1.0	137232	04/21/08	04/21/08	BPA 3050B	EPA	6010B
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	Santasian (	Califor	nia Ti	tle 25 M	(etals				
Lab #:	202650	13 100 100 100 100 100 100 100 100 100 1	<u>1999-1997 (1997) (1998</u>	Project# -	vecnossee consister V	5394.7¢			
Client:	Baseline Enviro	nmental		Location:	- E	ast Oakland	Sporte	Center	e e
Field ID:	B13,14,15,16;4	5'		Basis:		a received		GOILCE	î
Lab ID:	202650-082			Dila Fac:	1	. 000			1
Matrix:	Soil			Samoled:	0	4/17/08			, اے
Units:	mg/Kg			Received:	0	4/17/08			
									<u> </u>
Analyte	Result	RDS	Batch#	Prepared	Analyzed		A.	aalveis	
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	ËPA	60108	100000000
Arsenic	5.4	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	τ,
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	<u></u> / ·
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	21
Chromium	31	0.25	137232	04/21/08	04/21/08	EFA 3050B	EFA	6010B	1
Cobalt	1.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	, Į
Copper	14	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	4
Lead	6.8	0.25	137232	04/21/08	04/21/08	BPA 3050B	EPA	6010B	· 1 ·
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	I I
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	, P.,
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EFA	6010B	
Vanadium	32	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	, i
Zinc	39	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	<u> </u>

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		Califor	nia Ti	tle 26 N	letals				
Lab #:	202650			Project#:	YS	394-	18		
Client:	Baseline Envir	onmental		Location:	ត.ជ	st O	akland	Sports	Center
field ID:	B17,18,19,20;4	.5'		Basis:	a#	Tec	eived		
Lab ID:	202650-083			Diln Fac:	1.	000			
Matrix:	Soil			Sampled:	04	/17/	08		
Jnits:	mg/Kg			Received:	04	/17/	08		
Analyte	Result	RE	Batch#	Prepared	Analyzed		Prep.	Д.	talysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	305013	EPA	6010B
, \rsenic	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	601.0B
3eryll <i>iu</i> m	0.43	0.10	137232	04/21/08	04/21/08	ÉPA	3050B	EPA	6010B
Jadmium	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	6010E
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
uead	7.5	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Mercury	0.11	0.020	137251	04/22/0B	04/22/08	METE	{ÓD	EPA	74717
10).ybdenum	0.47	0.25	137232	04/21/08	04/21/08	$\mathbf{EPA}$	3050B	EPA	6010B
Jickel	60	0.25	137232	04/21/08	04/21/08	$\mathbf{EPA}$	3050B	₿₽A.	6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	ĔРА	601.0B
Silver	СN С	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
hallium	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	GOLOB
Vanadium	47	0.25	137232	04/21/08	04/21/08	EPA	3050B	BPA	6010B
Zinc	47	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B

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		Califor	nia Ti	tle 26 M	(etal <i>s</i>				
Lab #:	202650					204 10			<u> 2000</u>
Cliept:	Baseline Ferire	yamena te a 7		Icostics.	10	≈≠ ⊙=)-] 324-70	ć	<b>C</b>	
Field ID:	B21 22 22 24.4			Boein:		se oakland	Sports	Center	— į
Lab ID:	202650-084	-		Dagig: Dija Dagi	213	received			ļ
Matrix	202050 004 Soil			Dirn Fac:	с. Т.	/17/00			
Units:	mg/Kg			Sampieu: Received.	04.	/1//00			
				Mecerveu;		/ 1 // // 00			<u> </u>
Analyte	Reault	RL	Batch#		Analwzed			******	
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 30508	EPA	<u>60108</u>	<u>1949</u>
Arseníc	5.2	0.25	137232	04/21/08	04/21/08	EPA 3050B	EFA	60108	Ľ
Barium	250	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	50108	
Beryllium	0.48	0.10	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	!
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	6010B	ŝ
Chromium	31	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	1
Cobalt	14	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60100 .	Į Į
Copper	15	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	•
Lead	7.0	0.25	137232	04/21/08	04/21/08	EPA 3050B	RPA	60108	ì
Mercury	0.065	0.020	137251	04/22/08	04/22/08	METHOD	RDA	74718	
Molybdenum	0.49	0.25	137232	04/21/08	04/21/08	EPA 3050B	EPA	5010B	- ('
Nickel	55	0.25	137232	04/21/08	04/21/08	EPA 3050B	RPA	6010B	)
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 3050B	EPA	60108	[
Silver	ND	0.25	137232	04/21/08	04/21/0B	EPA 3050B	EPA	60108	ו,
Thallium	ND	0,50	137232	04/21/08	04/21/08	EPA 30508	EDA	60108	ł
Vanadium	28	0.25	137232	04/21/08	04/21/08	EPA 3050B	EDA	60108	Ì
Zinc	36	1.0	137232	04/21/08	04/21/08	EPA 3050B	EPA	5010B	ļ

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	¢	a]ifor	nia Ti	tle 26 M	stals				
Lab #:	202650			Proiect#:	Y5	<u></u>	<u></u>		
'Client:	Baseline Environ	mental		Location:	Ea	st 0.	akland	Sports	Center
Field ID:	B01,02,03,04;2.0	) '		Basis:		rec	eived		
Lab ID:	202650-085			Diln Fac:	1.	000			
<sup>}</sup> Matrix:	Soil			Sampled:	04	/17/	08		
Units:	mg/Kg			Received:	04	/17/	08		
•									
Analyte	Result	RD	Batch#	Frepared :	Atalyzed		Prép.	Ar	ialysis.
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	GOIOB
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	BPA	6010B
.Beryllium	0.44	0.10	137232	04/21/08	04/21/08	EPA	3050B	₿PA	60108
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	EFA	60108
Copper	1.7	0.25	137232	04/21/08	04/21/08	$\mathbf{EPA}$	3050B	EPA	6010B
( Lead	9.8	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Mercury	0.063	0. <b>0</b> 20	137251	04/22/08	04/22/08	METH	1ÖD	EPA	7471A
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	GOLOB
Nickel	40	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
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

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CUT Curtis & Tompkins, Ltd.

	C.	alifor	nia T:	Ltle 26 M	etals.					
Lab #:	202650		<u></u>	Project#:	YE	5394~	1.8		ana mala pila di ang pila ta sa	2000
Client:	Baseline Enviro	nmental		Location:	Ea	nst O	akland	Sports	Conter	<u>ا.</u>
Field TD:	B05,06,07,08;2.	ö'		Basís:	de de	s rec	eived			-
Lab ID:	202650-086			Diln Fac:	1.	000				
Matrix:	Soil			Sampled:	04	/17/	ÓЗ			,
Units:	mg/Kg			Received:	04	/17/	08			÷
		••								'
Analyte	Result	RL	B≓t¢h‡	frepared.	Analyzed		Prep	A	nalveis	339
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	ËPA	6010B	<u>809.7</u>
Arsenic	8.3	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	30508	EPA	6010B	- !
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA	30503	EPA	6010B	1
Chromium	29	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	I
Cobalt	9.4	0.25	137232	04/21/08	04/21/08	EPA	3050B	BPA	6010B	_,I
Copper	19	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	50108	
Lead	16	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	50108	'n
Mercury	0.068	0.020	137251	04/22/08	04/22/08	MET		EPA	74712	
Molybdenum	0.43	0.25	137232	04/21/08	04/21/08	EPA	30508	ביות	5010B	- í
Nickel	37	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B	ł
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA	30508	EDY	60108	
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA	305078	EDA	6010B	ļ
Thallium	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EDA EDA	60108	I
Vanadium	30	0.25	137232	04/21/08	04/21/08	E PA	3050B	PD3	SOTOB SALOB	ł
Zinc	51	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108	ļ

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		alifor	mia Ti	tle 26 M	atals				
								and the second	
Lab #:	202650	<u>an al production de concercion apresta</u>		Froject#:	¥5	394-18			
Client:	Baseline Enviro	nmental		Location:	Шa	st Oak.	land	Sports	Center
Field TD:	B09,10,11,12;6.	5'		Basis:	as	receiv	ved		
Lab ID:	202650-087			Diln Fac:	1.	000			
) Matrix:	Soil			Sampled:	04	/17/08			
Jnits:	mg/Kg			Received:	04.	/17/08			
Analyte	Result	RL	Batch#	2repared	Analyzed	, Pi	ep	At At	1alyele
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA 30	)S0B	EPA	6010B
, Arsenic	4.9	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Barium	150	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Beryllium	0,45	0.10	137232	04/21/08	04/21/08	EPA 30	)50B	$\mathbf{EPA}$	6010B
⊃ədmium	ND	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Chromium	32	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Cobalt	ц 3	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Copper	15	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Lead	6.9	0,25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Mercury	0.065	0.020	137251	04/22/08	04/22/08	METHOI	)	EPA	7471A
Molybdenum	0,35	0.25	137232	04/21/08	04/22/08	EPA 30	)50B	EPA	6010B
Vickel	57	0.25	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA 30	SOB	EPA	6010B
Silver	ND	0.25	137232	04/21/08	04/21/08	EPA 30	50B	EPA	60108
Challium	ND	0.50	137232	04/21/08	04/21/08	EPA 30	)50B	EPA	6010B
Vanadium	26	0.25	137232	04/23/08	04/21/08	EPA 30	50B	EPA	5010B
Zinc	43	1.0	137232	04/21/08	04/21/08	EPA 30	50B	EPA	60108

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		Califor	nia Ti	tle 26 M	etals				
Lab #:	202650			Project#:	Ϋ́S	394 -	18		
Client:	Baseline Envir	onmental		Location:	Ea	st O	akland	Sports	Center
Field ID:	B13,14,15,16;6	,5'		Basis:	ag	re¢	eived		
Lab ID:	202650-088		:	Diln Fac:	1.	000			
Matrix:	Soil			Sampled:	04	/17/	08		
Units:	mg/Kg			Received:	04	/17/	08		
Analyte	Result	RL	Bacch#	Frepared	Analyzed		Prep.	A	Alysis
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	ÉPA	3050B	EPA	60108
Barium	130	0.25	137232	04/21/08	04/21/08	EPA	3050B	$\mathbf{EPA}$	6010B
Beryllium	0.37	0.10	137232	04/21/08	04/21/08	EPA	30508	EPA	601.0B
Cadmium	ND	0.25	137232	04/21/08	04/21/08	EPA	3050B	EFA	6010B
Chromium	30	0.25	137232	04/21/08	04/21/08	EPA	30508	EPA	6010B
Cobalt	9.2	0.25	137232	04/21/08	04/21/08	EPA	305013	EPA	GOLOB
Copper	11	0.25	137232	04/21/08	04/21/08	EPA	30508	EPA	6010B
Lead	5.8	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	5010B
Mercury	0.066	0.020	137251	04/22/08	04/22/08	METI	HOD	EPA	7471A
Molybdenum	0.33	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010E
Nickel	47	0.25	137232	04/20/08	04/21/08	EPA	3050B	EPA	6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA	305013	EPA	60108
Silver	ND	0.25	137232	04/21/08	04/21/08	ÉPA	3050B	EPA	601,0B
Thallium	ND	0.50	137232	04/21/06	04/21/08	<b>EPA</b>	3050B	EPA	6010B
Vanadium	30	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	601 <b>0</b> B
Zinc	35	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B

ND= Not Detected RL= Reporting Limit Page 1 of 1



		Califor	nia Ti	tle 26 M	etals				
Lab #:	202650	i noracian solo aprilation	one og serer er redrigtedet sere	Project#:	<u>Y</u> S	<u></u>	<u></u> 18		
'Client:	Baseline Enviro	onmental		Location:	Ea	st O	akland	Sports	Center
Field ID:	B17,18,19,20;6	5'		Basis:	as	rec	eived	- [	
Lab ID:	202650-089			Diln Fac:	д.	000			
Matrix:	Soil			Sampled:	04	/17/	08		
Units:	mg/Kg			Received:	04	/17/	08		
			1.00						
Analyte	Result	RL	Batch#	Prepared.	Analyzed		Prep	A	lalysis
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	ÉPA	6010B
Arsenic	4.9	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
Barium	180	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
'Seryllium	0.38	0.10	137232	04/21/08	04/21/08	ÉPA	3050B	EPA	6010B .
Jadmium	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	EΡA	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
i 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	METH	IOD	EPA	7471A
4olybdenum	0,43	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	601.0B
Jickel	37	0,25	137232	04/21/08	04/21/08	EPA	3050B	8PA	6010B
Selenium	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
\$i).ver	ND	0.25	137232	04/21/08	04/21/08	EPA	3050B	EPA	6010B
Challíum	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	30508	ÉPA	60108
Zinc	34	1.0	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108

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	Californi.	a Title 26 Meta	aji e
<b>Гар</b> #:	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	Diln Fac:	1,000
Matrix:	Soil	Sampled:	04/17/08
Units:	mg/Kg	Received:	04/17/08

And a state of the			∴ Fecut	生生白的自我自己	analyzed.		₽ <b>≈61</b> 0		
Antimony	ND	0.50	137232	04/21/08	04/21/08	EPA	3050B	EPA	60108
Arsenic	6.5	0.25	137232	01/21/08	04/21/08	EFA	3050B	ЕРА	60108
Barium	260	0.25	137232	04/21/08	04/21/08	EPA	3050B	100 h	6010B
Beryllium	0.43	0.10	137232	04/21/08	04/21/08	EDA	30600		
Cadmium	0.31	0.25	137232	04/21/08	04/21/08	176-53 1713 73	30505	EFA EDD	COLOB .
Chromium	32	0 25	137232	04/01/08	04/01/00	DEX	30508	DPA DPA	GOTOB .
Coball	20	0.00	137232	04/21/08	04/21/08	EFA	30508	БРА	6010B
	19	0.25	137232	04/21/08	04/21/08	EPA	30508	EPA	60108
Copper	16	0.25	137232	04/21/08	04/21/08	EFA	3050B	EPA	6010B
Lead	7.0	0.25	137232.	04/21/08	04/21/08	EPA	3050B	EPA	60108
Mercury	0.23	0.021	137251	04/22/08	04/22/08	METH	OD	EPA	74715
Molybdenum	0.54	0.25	137232	04/21/08	04/21/08	BPA	3050B	EDA	60108
Nickel	52	0.25	137232	04/21/08	04/21/08	EPA	30508	מפת	6010D :
Selenium	ND	0.50	137232	04/21/08	04/21/08		20500	EFA	
Silver	NIT)	0 25	137272	04/21/00	04/21/00	DEA	30508	BPA 	SULUB
Mhalldoor	NB	0.20	201636	04/21/08	04/21/08	REV	30508	EPA	5010B
THATTIM	ND	0.50	137232	04/21/08	04/21/08	ËPA	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	ΓPΛ	3050B	EPA	6010B

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	California	Title 26 Met:	ils	
Lab #:	202650	Location:	East Oakland Spor	ts Center
Client:	Baseline Environmental	Prep:	EPA 3050B	
Project#:	Y5394-18	Analysis:	BPA 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			
Antimony	alyte Result ND	<u> </u>	0.50	
Arsenic	ND		0.25	
Barium	ND		0.25	
Beryllium	CIM		0.10	
Cadmium	СИ		0.25	
, Chromium	MD		0.25	
Cobalt	ИД		0.25	
'.Copper	ND		0.25 /	
Lead	ND		0.25	
Molybdenum	ND		0,25	
<sup>f</sup> Nickel	ND		0.25	
Selenium	ND		0.50	
Silver	D		0.25	
Thallium	ND		0.50	
Vanadium	ND		0.25	
, Zinc	ND		1.0	

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	Callforni	la Title 26 Meta	Is	
Lab #:	202650	Location:	East Oakland Sponte Co	in to an
Client:	Baseline Environmental	Prep:	EPA ROSAR	arer l
Project#:	<u>Y5394-18</u>	Analysis:	EFA 5010B	
Macrix:	Soil	Batch#:	137232	
Basic.	mg/Kg	Prepared:	04/21/08	Ĩ
	as received	Analyzed:	04/21/08	
<u>erair sec:</u>	<u></u>			

rype:	BS	T,	ab ID:	QC438	3145		
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc		Sourced 100.0 50.00 100.0 2.500 10.00 100.0 25.00 12.50 100.0 25.00 50.00 10.00 50.00 25.00 25.00 25.00 25.00 25.00		2012 27.12 49.92 97.90 2.586 10.14 97.04 24.09 11.89 98.06 20.04 24.21 49.39 9.102 48.03 24.16 24.80	97 100 98 101 97 96 95 96 95 98 100 97 99 91 99 97 99	S0-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	

Type :	BSD	Lab	ID:	QC431	B146			-
Antimony Arsenic Barium Beryllium Cadmium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc		501Xe3 100.0 50.00 100.0 2.500 10.00 100.0 25.00 12.50 100.0 20.00 25.00 50.00 10.00 50.00 25.00 20.00 25.00 20.00 2		68014 98.42 49.52 97.42 2.565 10.05 97.01 23.94 11.81 97.79 15.92 24.22 49.20 9.070 47.63 24.19 24.66	997 101 976 994 977 964 994 900 97 98 915 957 991 957 979	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	R 1101101101000101	20 20 20 20 20 20 20 20 20 20 20 20 20 2

CUTIS & Tompkins, Ltd.

### Batch OC Report

ļ		California Ti	tle 26 Metals	
1	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
l	MSS Lab ID;	202650-073	Sampled:	04/17/08
L	Matrix:	Soil	Received:	04/17/08
	Units:	mg/Kg	Prepared:	04/21/08
	3aşíc:	as received	Analvzed:	04/21/08
L	Diln Fac:	1.000		

ype:	MS		Lab	ID:	QC438147		
An	alyte	MSS Result		Diled	Raguit		
Antimony		<0.02749		98.04	49.93	51	3-120
Arsenic		9.315		49.02	53,41	90	71-120
ı 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		19.6I	18,54	89	66-120
Mickel		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
'Thallion		0-2208		49.02	41.59	64	61-120
Vanadium		28.23		24.51	49.32	86	51-137
<u></u>		116.4		24.53	129.9	55 NM	36-150

. 7	pe:	MSD	Lab	ID:	QC438	148			
38.S	Anal	rte Spal		R	esult		Limite	RFID	
. A	ntimony	9	)1.74		42.90	47	3-120	9	33
À	rsenic	4	5.87		50.21	89	71-120	ï	20
iΒ	arium	ç	91.74		185.1	71	50-135	3.	24.
₿	eryllium		2.294		2.565	98	79-120	ō	20
ĴÇ	admium		9.174		8.738	91.	71-120	ì	20
1 5	hromium	Ş	1.74		118.5	97	65~120	3	20
- 7	obalt	2	2.94		26.72	83	60-120	2	23
} Ĉ	opper	נ	1.47		31.28	68	42-152	ŝ	23
L	ead	2	1.74		132.1	77	53-124	ž	28
' 1	olybdenum	I	8.35		16.89	87	66-120	ñ	20
٠,	ickel	7	2.94		50 92	89	44-139	ž	36
. ŝ	elenium	-4	5.87		47 57	92	49.170	Ť	50 I
S	ilver	-	9 174		יבי. מוד מ	22	70-1-20	5	20 1
ΙŦ	ballium	л	5 87		20.AIZ	00 07		5	20
៍រ	้อกอุปันท		2.07 2 9/		20-20 EC 24	00	01-120 E1 134	4	20
: Z	inc				201.84	90 40 NM	27-131	7	40
4		6	6-24		/./	45 NM	38-190	1	30 1

VM= Not Meaningful: Sample concentration > 4X spike concentration PD= Relative Percent Difference ...ge 1 of 1



	Californiz	u Title 26 Meta	Дв
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

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ND= Not Detected RL= Reporting Limit Page 1 of 1

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## Batch QC Report

QC438222

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Lab #.	202650		
Client:	Baseline Environmental	Location: Prep:	East Oakland Sports Center METHOD
Project#:	Y5394-18	Analysis:	EPA 7471A
Analyre:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	137251
ປັກ115:	mg/Kg	Prepared:	04/22/08
Basis:	as received	Analyzed:	04/22/08

0.5000

0.4890

0.4930

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80-120

80-120 1

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	PD=	Relative	Percent	Difference
¢	age 1	οΓ 1		

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	Californi	a Title 26 Met:	ele					
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;0.01	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 Repute ARE Linite PDD fine								
MS QC43822	4 0.101,7	0.4717	0.5396 93 68-140					
MSD QC43822	5	0.4902	0.5765 97 68-140 3 24					

RPD= Relative Percent Difference Page 1 of 1



	Hexa	valen	t Chronium	
Lab #: 2	202650		Location:	East Oakland Sports Center
Client: F	Baseline Environmental		Prep:	METHOD
Project#: Y	(5394-18		Analysis:	EFA 7196A
Analyte: F	Rexavalent Chromium		Batch#:	137272
Matrix: S	Joil		Sampled:	04/17/08
Units: n	ng/Kg		Received:	04/17/08
Basis: a	as received		Prepared:	04/21/08 18:00
Diln Fac: 1	000		Analyzed:	04/22/08 18:00
Field ID	Type Lab ID	Re	-81112	R£
B01,02,03,04;0.0	SAMPLE 202650-073	ND		0.05
B05,06,07,08;0.01	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		Q.QŞ
'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	NÐ		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	<b>MD</b>		0.05
B01,02,03,04;2.0'	SAMPLE 202650-085	ND		D.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
B13,14,15,26;6.5'	SAMPLE 202650-089	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

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ID= Not Detected (L= Reporting Limit) Page 1 of 1

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# Batch QC Report

	Нехаўв	lent Chromium	
Lab #:	202650	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	METHOD
Project#:	¥5394-18	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
Başis:	as received	Analyzed:	04/22/08 18:00
Type Lab ID	MSS Result Spiked	Result .	RL. SREC 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 Fage 1 of 1

## QUALITY CONTROL CHECKLIST FOR REVIEW OF LABORATORY REPORT

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

i i i i i i i i i i i i i i i i i i i		- Yes	No	
GE (De exp	NERAL QUESTIONS scribe "no" responses below in "comments" section. Contact the laboratory, as required an attion on "no" responses; document discussion in comments section.)	uired, fo	r furtl	ler
}a.	Does the report include a case narrative? (A case narrative MUST be prepared by the lab for all analytical work requested by BASELINE)	x		
1Ъ.	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?		х	
1c.	Does the case narrative indicate which samples were analyzed by a subcontractor and the subcontractor's name?			x
id.	Does the case narrative summarize subsequent requests not shown on the chain-of- custody (e.g., additional analyses requested, release of "hold" samples)?			x
le.	Does the case narrative explain why requested analyses could not be performed by laboratory (e.g., insufficient sample)?			x
If.	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		
25.	Are the sample and reported dates shown in the laboratory report correct?	х		
За.	Does the lab report include the original chain-of-custody form?	x		
35.	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)	х		
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		
		A DESCRIPTION OF THE OWNER OF THE		

Quality Control Checklist - continued

	- EXS	No.
8a. Are detection limits appropriate based on the analysis performed (i.e., not elevated to dilution effects)?	I due 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 volatiles, and up to 6 months for total metals)?	for 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, cont the lab and request review/reanalysis of data, as appropriate.)	lact	×
13a. REVISED LAB REPORTS ONLY. Is the revised lab report or revised pages to a l report signed and dated as being reviewed by the laboratory director, QA manager, other appropriate personnel?	ab or	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?	i .	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 correct incorrectly reported data?	to	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 samplin procedure has not contaminated the sample.	e ng	x
14a. Are rinsate blanks reported as "ND" (soil samples)? A rinsate blank is a sample of I 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.	DI d	x

Quality Control Checklist - continued

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		Yes	No	J.N.A.S
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
Bate (San fewe fram proc	ch Quality Control inples are batched together by matrix [soil, water] and analyses requested. A batch generater an samples of the same matrix type, and is prepared using the same reagents, standards, pute as the samples. QC samples are run with each batch to assess performance of the entir- ess.)	ally const tocedures e meastr	ists of 20 s, and tin ement	) or ne
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.	×		
185.	If no, is an explanation provided in the case narrative to validate the data?			x
I8c.	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

	Nes.	Sel	NN A
20b. If no, is the MB and either LCS/LCSD or BS/BSD within lab limits to validate the data?			×
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?			х

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#### 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 RECEIVED

Laboratory Job Number 202886 ANALYTICAL REPORT MAY 1 3 2008 BASELINE

Emeryville, CA 94608 Level : II	Baseline Environmental 5900 Hollis Street Emeryville, CA 94608	Project Location Level	:	Y5394-18 East Oakland Sports Center II
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<u>Sample ID</u>	<u>Lab_ID</u>
B01,02,03,04;0.0'	202886-001
B17,18,19,20,2.0'	202886-002

Chis 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.

mal **Jignature**: Project Manager

Signature:

Senior Program Manager

Date: 05/07/2008

Date: <u>05/06/2008</u>

JELAP # 01107CA

Page 1 of

June out



#### CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received:

202886 Baseline Environmental Y5394-18 East Oakland Sports Center 04/29/08 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.

<u>Metals (EPA 6010B):</u> No analytical problems were encountered.

Page 1 of 1

### 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 AMSubject:Re: Y5394-18 - C&T Reports (202650)

Hi Lisa,

1...

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

010 # 00mp 120 202650-031-4 202886-001 202650-077-17-20 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.

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Laboratory Curtis and Tompkins, Ltd. BASELINE Contact Person Redgy Ramirez Composite Remarks/ Composite Composite Composite Composite Composite Fure-Arrund-Time Normal 5-Day rederigbasejine-env.com Arrival at Laboratory: Please provide EDD Email contact: Remarks: (miz-0728 Podison A93) altra (INSTOS POULOSA يبططكم Vel cleanu (Cla ×;  $\geq$ ×  $\varkappa$ a⊐iliz dsiw lin tototn ≍ hns lessib as 149'T 80/51/68 Date Time (9617 bodie)M Linitio Ida × ¥43) × × × ≻ тоорилихар on ice, intac efelom 22 melals bortrafit AP(3) (A0747430105  $\sim$ ≻ ×  $\sim$ × HOTN CHAIN OF CUSTODY RECORD Preservative °O\$ <sup>d</sup>ONH æ TOH ခာန ×  $\approx$ ×  $\times$ XX ×× × ×  $\times$ ×  $|\times|\times$ - Received by: (Signature) Received by: (Signature) Received by: (Signeture) art zzelD Containers 520 mJ Poly لے ፈюባታ Pm C ¥0∧ |₩-0‡ Comments; 0V-7 Type Date/Time R ຈມດວນອ Burynate XXX XXXXXX Date/Time ×i Date/Time × ≍ × ģ 2 Media East Oakland Sports Center ŝ ŝ Ś S Ż Ó Ś s ý co, ¢h w c/D ŝ cr) ŝ 2 YES BASELINE Environmental Consulting 10 10 0929 0100 1020 1251 1059 01660 Time 13 10 1055 020 N 14 3 ž₽ ₹ 1035 Tett (510) 420-1686 Fax: (510) 420-1787 Received at laboratory with intact: 413-108 111-108 4117-108 4/17/08 30 tip Y 5394-18 4/12/08 417-108 Sum. 4/17/109 4 14 01 Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature) Repursed Farmer Date 9900 Holbis Street, Suite D Emeryvisle, CA 94693 chain of custody umplens: (Silpaqure) No. Station inject Number resect Name: B21,4.5 B22;4.5 B19,4.5' B20,4.5' 5 B07.2.0 5 B08.2.0 5 B08.6.5 8 B10.6.5 9 B11.6.5 B24;4.5 B01;2.0 B05;2.0' B06;2.0' 3174.5 B18:4.5 B02;2.0 B03;2.0 B04;2.0 (cdB12;6.5 325 285 ÷ ž N 2. S Ŷ লসম ŝ ŝ 5 È,

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# COOLER RECEIPT CHECKLIST

Curtis & Tampkins, Ltd.

	Login # 202650 Date Received 4/17/08 Number of coolers Z Client BASELINE BUV. Project EAST DATLEND SPORT CENTER
	Date Opened 4/17/05 By (print) MNILL NUEL (sign) Tarface
	1. Did cooler come with a shipping slip (airbill, etc)?
	2A. Were custody seals present? □ YES (circle) on cooler on samples How manyNameDate       □ NO         2B. Were custody seals intact upon arrival?
	🗇 Bubble Wrap 🔲 Foam blocks 🖾 Bags 🖅 None
	Cloth material Cardboard Styrofoam Paper towels 7. If required, was sufficient ice used? Samples should be $\leq \text{or} = 6^{\circ}\text{C}$
	Type of ice used: WET BLUE NONE Temp(°C) NO THAT BLACKIC
	SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD, COOLING BROCESS MAD DESCRIPT
	<ul> <li>8. Were soil Encore sampling devices present?</li></ul>
т <u>и</u> п	COMMENTS BAHAPLE 1304; 1.0' TIME ON BAMPLE OBZI
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S S	OP Volume: Client Services Rev: 1 Number 1 of 3 ection: 1.1.2 Effective: 06 March 2008
J-*:	age i or i F:\qc\forms\checklists\Cooler Receipt Checklist_rv4.doc



Lab #:	202886	Location:	East Oakland Sports Center
Client:	Baseline Environmental	Prep:	WET
Project#:	¥5394-18	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	04/17/08
Matrix:	WET Leachate	Received:	04/17/08
Jnits:	ug/L	Prepared:	05/04/08
Diln Fac:	10.00	Analyzed:	05/05/08
Batch#:	137717		

B01,02,03,04;0.0' SAMPLE 202886-001 1,600 1.6 mg/L 170 317,18,19,20;2.0' SAMPLE 202886-002 710 .310 170 BLANK OCTION 170		<u>an an a</u>	New Strategy and the strategy of the strategy			See States and the second s	
317,18,19,20,2.0' SAMPLE 202886-002 710 340 170	B01,02,03,04,0.0'	SAMPLE	202886-001	1,600	1.6 mali	170	
	317,18,19,20,2.0'	SAMPLE	202886-002	73,0	. 740	1.70	
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## Batch QC Report

		Lead		
Lab # :	202886	Location:	East Oakland Sports Center	
Client:	Baseline Environmental	Prep:	WEI	1
Project#:	Y5394-18	Analysis:	EPA GOLOB	
Analyte:	Lead	Batch#:	13777.7	
Field ID:	ZZZZZZZZZ	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	SREC Dimites RPD Lim Palm Pa	G.
BS QC440117	2,000	1,889	94 80-120 l.000	
BSD QC440118	2,000	1,962	98 80-120 4 20 1.000	1
M\$ 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 Page 1 of 1

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