Department of Toxic Substances Control

*Matthew Rodriquez*
Secretary for
Environmental Protection

Barbara A. Lee, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

*Edmund G. Brown Jr.*
Governor

August 17, 2016

Robert Laughton, LEED AP
Director, Environmental Health and Safety
Los Angeles Unified School District
333 South Beaudry Avenue, Floor 21
Los Angeles, CA 90017

DTSC DETERMINATION REGARDING LEAD IN SOILS AT FISHBURN AVENUE ELEMENTARY SCHOOL CAMPUS, LOS ANGELES UNIFIED SCHOOL DISTRICT

Dear Mr. Laughton,

The Department of Toxic Substances Control (DTSC) has reviewed the results of the soil sampling conducted at the Fishburn Avenue Elementary School Campus located at 5701 Fishburn Avenue, Maywood, California (Fishburn Avenue Campus). Background information regarding the results of sampling performed at this campus can be found in previous correspondence between DTSC and the Los Angeles Unified School District (LAUSD).[1,2]

The Department of Toxic Substances Control's (DTSC) sampling Contractor (Parsons Corporation) performed additional soil sampling on August 11, 2016 in accordance with the DTSC sampling work plan dated August 9, 2016. The results of this sampling effort are presented in the attached Parsons report.

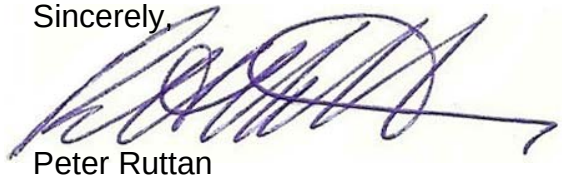
DTSC's Human Health and Ecological Risk Office (HERO) has reviewed all the soil data collected for the Fishburn Avenue Campus and has provided a memorandum regarding the risk posed to students. The HERO memorandum also is attached.

DTSC has determined: 1) that the concentrations of lead in soils found at the Fishburn Avenue Campus do not pose a health risk to students or staff when considering a five days-per-week exposure scenario: and, 2) that cleanup measures are not necessary, given the current site use. Should future use of the campus property change to a residential setting, a supplemental analysis of the data may be warranted.

[1] DTSC; "*Results of Soil Sampling at Fishburn Middle School and Clemente Charter*"; June 21, 2016.
[2] DTSC; "*Preliminary Results of Soil Sampling Efforts at Lorena Avenue Elementary, Rowan Street Elementary, Fishburn Avenue Elementary, and Eastman Avenue Elementary School Campuses*"; August 15, 2016.

If you have any questions regarding this letter, please contact me at (916) 255-3630 or at Peter.Ruttan@dtsc.ca.gov.

Sincerely,



Peter Ruttan
Project Manager
Exide Cleanup Project

Attachments (2)

cc: (via email)
Mr. Pat Schanen, LAUSD
Mr. Bill Piazza, LAUSD
Ms. Zoe Bayar, DTSC
Ms. Suhasini Patel, DTSC
Ms. Tamara Zielinski, DTSC
Dr. Shukla Roy-Semmen, DTSC

PARSONS

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# Technical Memorandum

Date: 17 August 2016

To: Ms. Sarah Cromie, Sr. Hazardous Substance Scientist
California Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826-3200

***Subject:*** ***Supplemental Sampling Report for PIA School SCH-13***
***Fishburn Avenue Elementary School***
***5701 Fishburn Avenue***
***Maywood, California 90270***

This Technical Memorandum presents a summary of the soil sample results for Fishburn Avenue Elementary School, located at 5701 Fishburn Ave., Maywood, California (Property), designated as Preliminary Investigation Area (PIA) School number SCH-13 (Figure 1). This Property was sampled on August 11, 2016 by Parsons. A total of 9 borings were hand-augered up to a maximum depth of 6 inches (Figure 1). Samples were collected at depths of 0-1 inches, 1-3 inches, and 3-6 inches. Sampling equipment was decontaminated between samples and locations to avoid cross-contamination.

Soil from each of the sample intervals (0-1 inches, 1-3 inches, and 3-6 inches) were submitted to an offsite laboratory for analysis of lead using United States Environmental Protection Agency (EPA) Method 6010. A total of 30 samples, including three duplicate samples, were collected and analyzed.

Analytical results for lead in the samples ranged from 13.6 to 95.1 milligrams per kilogram (mg/kg) as shown in Table 1. The highest concentration (95.1 mg/kg) was observed in the sample collected from Boring SCH-13-13 at a depth of 1-3 inches. The analytical laboratory report is provided in Attachment 1.

**CLOSING**

If you have any questions or require further information, please contact me directly.

Sincerely,

Shala Craig, P.E. #C-69804
Parsons Project Manager

Attachments: Table 1 – Laboratory Results for Soil Samples
Figure 1 – Soil Sample Map
Attachment 1 - Analytical Laboratory Report

cc: Peter Ruttan, DTSC

# TABLE

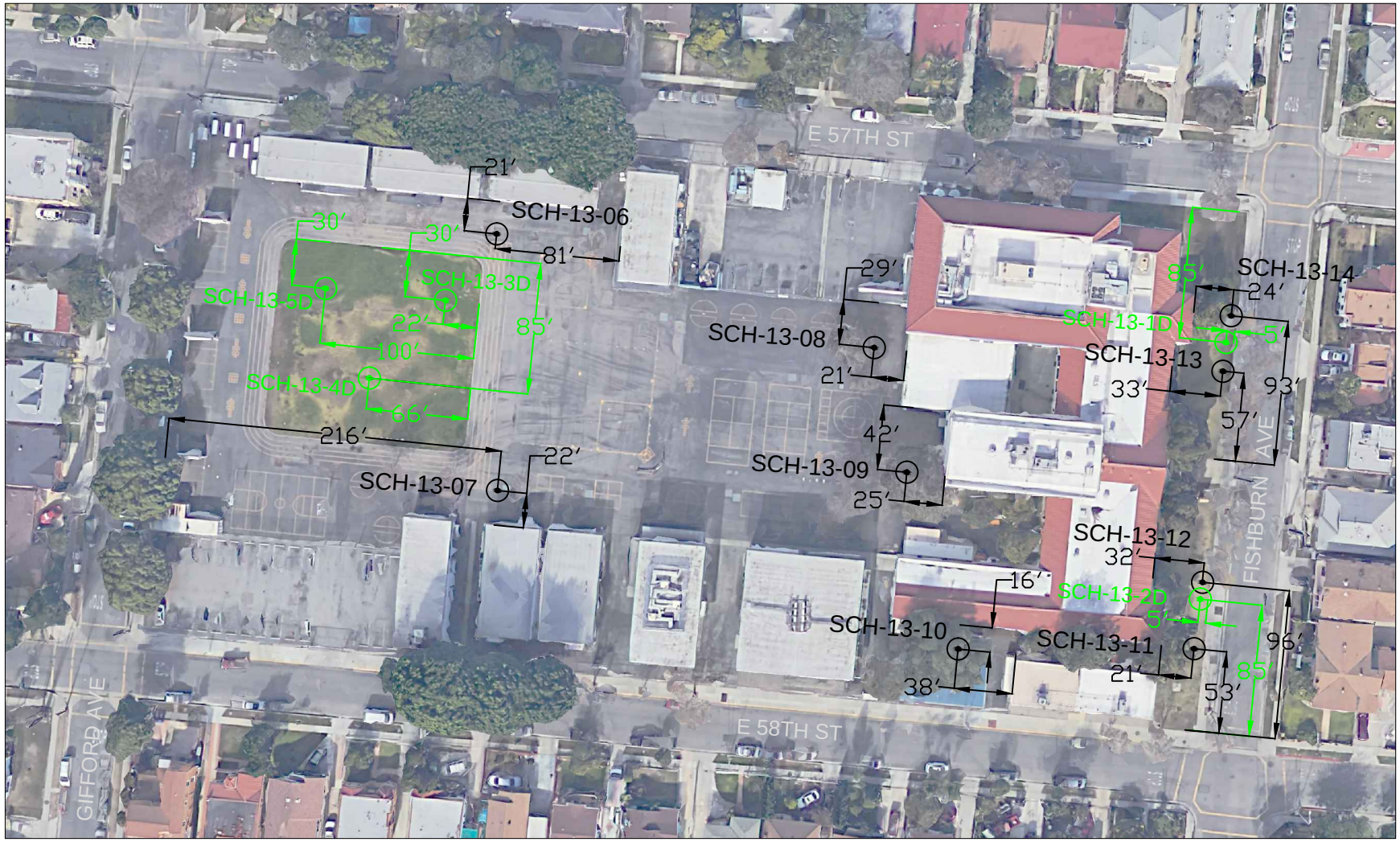
**Table 1**
**Laboratory Results for Soil Samples**
**SCH No. 13**

| Sample ID | Date | Laboratory Report | Matrix | Depth (in) | Lead |
|---|---|---|---|---|---|
| | | | | | mg/kg |
| SCH-13-06-01 | 8/11/2016 | 84014 | Soil | 0-1 | **20.3** |
| SCH-13-06-03 | 8/11/2016 | 84014 | Soil | 1-3 | **13.6** |
| SCH-13-06-06 | 8/11/2016 | 84014 | Soil | 3-6 | **16.1** |
| SCH-13-07-01 | 8/11/2016 | 84014 | Soil | 0-1 | **24.6** |
| SCH-13-07-03 | 8/11/2016 | 84014 | Soil | 1-3 | **35.2** |
| SCH-13-07-06 | 8/11/2016 | 84014 | Soil | 3-6 | **20.0** |
| SCH-13-07-06D | 8/11/2016 | 84014 | Soil | 0-1 | **23.7** |
| SCH-13-08-01 | 8/11/2016 | 84014 | Soil | 1-3 | **19.0** |
| SCH-13-08-03 | 8/11/2016 | 84014 | Soil | 3-6 | **28.1** |
| SCH-13-08-06 | 8/11/2016 | 84014 | Soil | 0-1 | **41.5** |
| SCH-13-09-01 | 8/11/2016 | 84014 | Soil | 1-3 | **17.1** |
| SCH-13-09-03 | 8/11/2016 | 84014 | Soil | 3-6 | **14.4** |
| SCH-13-09-03D | 8/11/2016 | 84014 | Soil | 0-1 | **14.9** |
| SCH-13-09-06 | 8/11/2016 | 84014 | Soil | 1-3 | **36.7** |
| SCH-13-10-01 | 8/11/2016 | 84014 | Soil | 3-6 | **25.1** |
| SCH-13-10-03 | 8/11/2016 | 84014 | Soil | 0-1 | **29.7** |
| SCH-13-10-06 | 8/11/2016 | 84014 | Soil | 1-3 | **24.7** |
| SCH-13-11-01 | 8/11/2016 | 84014 | Soil | 3-6 | **52.6** |
| SCH-13-11-03 | 8/11/2016 | 84014 | Soil | 0-1 | **77.4** |
| SCH-13-11-06 | 8/11/2016 | 84014 | Soil | 1-3 | **76.7** |
| SCH-13-11-06D | 8/11/2016 | 84014 | Soil | 3-6 | **76.3** |
| SCH-13-12-01 | 8/11/2016 | 84014 | Soil | 0-1 | **64.6** |
| SCH-13-12-03 | 8/11/2016 | 84014 | Soil | 1-3 | **74.1** |
| SCH-13-12-06 | 8/11/2016 | 84014 | Soil | 3-6 | **70.7** |
| SCH-13-13-01 | 8/11/2016 | 84014 | Soil | 0-1 | **61.5** |
| SCH-13-13-03 | 8/11/2016 | 84014 | Soil | 1-3 | **95.1** |
| SCH-13-13-06 | 8/11/2016 | 84014 | Soil | 3-6 | **84.3** |
| SCH-13-14-01 | 8/11/2016 | 84014 | Soil | 0-1 | **23.6** |
| SCH-13-14-03 | 8/11/2016 | 84014 | Soil | 1-3 | **28.9** |
| SCH-13-14-06 | 8/11/2016 | 84014 | Soil | 3-6 | **22.0** |

**Notes:**
Detection concentrations are in **BOLD** text
ND<____ = Non-detect at the laboratory reporting limit

Laboratory Detection Limits:
Lead = 0.5 to 50 mg/kg

**FIGURE**




Source: Google Earth, 2016

LEGEND

SOIL SAMPLE LOCATIONS, 2015

SOIL SAMPLE LOCATIONS, Aug. 2016

0 100

APPROXIMATE SCALE IN FEET

N

# SOIL SAMPLE MAP

**CLIENT:** DTSC - EXIDE

**LOCATION:** Fishburn Avenue Elementary School
Ingenium Clemente Charter School (SCH-13)
5701 Fishburn Avenue, Maywood, CA

PARSONS

**FIGURE:** 1

K:\Depts\Dept42b\DTSC\Orphan Sites MSA\Exide\Sampling\Schools & Parks\Figures\CAD\Figure # Fishburn Avenue ES rev 8-8-2016.dwg

# ATTACHMENT 1
# ANALYTICAL LABORATORY REPORTS

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

**Ordered By**

| |
|---|
| **Parsons** |
| **100 West Walnut Street** |
| **Pasadena, CA 91124-** |

**Telephone: (626)440-6161**
**Attention: Shala Craig**

| | |
|---|---|
| **Number of Pages** | **13** |
| **Date Received** | **08/11/2016** |
| **Date Reported** | **08/15/2016** |

| Job Number | Order Date | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

**Project ID:** 449646-01017
**Project Name:** DTSC Exide Offsite Sampling
**Site:** Fishburn Ave. ES
5701 Fishburn Ave.
Maywood, CA 90270

Enclosed please find results of analyses of 30 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

Mobile American Environmental Testing Laboratory, Inc.
2834 North Naomi Street Burbank, CA 91504 - DOHS NO: 2402
Tel: (888) 288-AETL - (818) 845-8200 - Fax: (818) 845-8840 - www.aetlab.com

# CHAIN OF CUSTODY RECORD

84014



| | | | |
|---|---|---|---|
| COMPANY | Parsons | PHONE | 626-440-6161 |
| PROJECT MANAGER | Shala Craig | FAX | 626-440-2993 |
| PROJECT NAME | DTSC Exide Offsite Sampling | PROJECT # | 449646-01017 |
| SITE NAME AND ADDRESS | Fishburn Ave ES<br>5701 Fishburn Ave, Maywood CA | | |

| | SAMPLE ID | LAB ID | DATE / TIME | MATRIX | CONTAINER NUMBER/ SIZE | PRES | Pb (6010B) | As,Cd, Cu,Sb, | Zn (6010B) | | | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SCH-13-06-01 | 84014.01 | 8/11/2016@ 1042 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 2 | SCH-13-06-03 | 84014.02 | 8/11/2016@ 1043 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 3 | SCH-13-06-06 | 84014.03 | 8/11/2016@ 1044 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 4 | SCH-13-07-01 | 84014.04 | 8/11/2016@ 1046 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 5 | SCH-13-07-03 | 84014.05 | 8/11/2016@ 1050 | SOIL | 1 | ICE | X | | | | | | | | | | | | | H = hold |
| 6 | SCH-13-07-06 | 84014.06 | 8/11/2016@ 1053 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 7 | SCH-13-07-06D | 84014.07 | 8/11/2016@ 1053 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 8 | SCH-13-08-01 | 84014.08 | 8/11/2016@ 1058 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 9 | SCH-13-08-03 | 84014.09 | 8/11/2016@ 1100 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 10 | SCH-13-08-06 | 84014.10 | 8/11/2016@ 1107 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 11 | SCH-13-09-01 | 84014.11 | 8/11/2016@ 1106 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 12 | SCH-13-09-03 | 84014.12 | 8/11/2016@ 1107 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 13 | SCH-13-09-03D | 84014.13 | 8/11/2016@ 1107 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |
| 14 | SCH-13-09-06 | 84014.14 | 8/11/2016@ 1104 | SOIL | 1 | ICE | X | | | | | | | | | | | | | |

## SAMPLE RECEIPT – TO BE FILLED BY LABORATORY

| | | | |
|---|---|---|---|
| TOTAL NUMBER OF CONTAINERS | | PROPERLY COOLED Y / N / NA | |
| CUSTODY SEALS Y / N / NA | | SAMPLES INTACT Y / N / NA | |
| RECEIVED IN GOOD COND. Y / N | | SAMPLES ACCEPTED Y / N | |

**TURN AROUND TIME**

o NORMAL  x RUSH 1 DAY

| RELINQUISHED BY SAMPLER: | RELINQUISHED BY: | RELINQUISHED BY: |
|---|---|---|
| Signature: Michael Strand | Signature: | Signature: |
| Printed Name: Peter Shaw MG Michael Strand | Printed Name: | Printed Name: |
| RECEIVED BY: | RECEIVED BY: | RECEIVED BY: AETL |
| Signature: | Signature: | Signature: |
| Printed Name: | Printed Name: | Printed Name: Sean Lauda |
| Date / Time: | Date / Time: | Date / Time: 08/11/16 1918 |

Mobile American Environmental Testing Laboratory, Inc.
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# CHAIN OF CUSTODY RECORD

84014



| | | | |
|---|---|---|---|
| COMPANY | Parsons | PHONE | 626-440-6161 |
| PROJECT MANAGER | Shala Craig | FAX | 626-440-2993 |
| PROJECT NAME | DTSC Exide Offsite Sampling | PROJECT # | 449646-01017 |
| SITE NAME AND ADDRESS | Fishburn Ave ES<br>5701 Fishburn Ave, Maywood CA | | |

| | SAMPLE ID | LAB ID | DATE / TIME | MATRIX | CONTAINER NUMBER/ SIZE | PRES | Pb (6010B) | As,Cd, Cu,Sb, Zn (6010B) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SCH-13-10-01 | 84014.15 | 8/11/2016@ 1113 | SOIL | 1 | ICE | X | | |
| 2 | SCH-13-10-03 | 84014.16 | 8/11/2016@ 1115 | SOIL | 1 | ICE | X | | |
| 3 | SCH-13-10-06 | 84014.17 | 8/11/2016@ 1116 | SOIL | 1 | ICE | X | | |
| 4 | SCH-13-11-01 | 84014.18 | 8/11/2016@ 1122 | SOIL | 1 | ICE | X | | |
| 5 | SCH-13-11-03 | 84014.19 | 8/11/2016@ 1123 | SOIL | 1 | ICE | X | | H = hold |
| 6 | SCH-13-11-06 | 84014.20 | 8/11/2016@ 1124 | SOIL | 1 | ICE | X | | |
| 7 | SCH-13-11-06D | 84014.21 | 8/11/2016@ 1124 | SOIL | 1 | ICE | X | | |
| 8 | SCH-13-12-01 | 84014.22 | 8/11/2016@ 1128 | SOIL | 1 | ICE | X | | |
| 9 | SCH-13-12-03 | 84014.23 | 8/11/2016@ 1130 | SOIL | 1 | ICE | X | | |
| 10 | SCH-13-12-06 | 84014.24 | 8/11/2016@ 1131 | SOIL | 1 | ICE | X | | |
| 11 | SCH-13-13-01 | 84014.25 | 8/11/2016@ 1137 | SOIL | 1 | ICE | X | | |
| 12 | SCH-13-13-03 | 84014.26 | 8/11/2016@ 1139 | SOIL | 1 | ICE | X | | |
| 13 | SCH-13-13-06 | 84014.27 | 8/11/2016@ 1141 | SOIL | 1 | ICE | X | | |
| 14 | | | | | | | | | |

ANALYSIS REQUESTED

## SAMPLE RECEIPT – TO BE FILLED BY LABORATORY

| | | | |
|---|---|---|---|
| TOTAL NUMBER OF CONTAINERS | | PROPERLY COOLED Y / N / NA | |
| CUSTODY SEALS Y / N / NA | | SAMPLES INTACT Y / N / NA | |
| RECEIVED IN GOOD COND. Y / N | | SAMPLES ACCEPTED Y / N | |

**TURN AROUND TIME**

o NORMAL x RUSH 1 DAY

| RELINQUISHED BY SAMPLER: | RELINQUISHED BY: | RELINQUISHED BY: |
|---|---|---|
| Signature: | Signature: | Signature: |
| Printed Name: ~~Peter Shaw~~ Michael Grad | Printed Name: | Printed Name: |
| RECEIVED BY: | RECEIVED BY: | RECEIVED BY: AETL |
| Signature: | Signature: | Signature: |
| Printed Name: | Printed Name: | Printed Name: |
| Date / Time: | Date / Time: | Date / Time: 8/11/16 1815 |

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# CHAIN OF CUSTODY RECORD

84014



| | | | |
|---|---|---|---|
| COMPANY | Parsons | PHONE | 626-440-6161 |
| PROJECT MANAGER | Shala Craig | FAX | 626-440-2993 |
| PROJECT NAME | DTSC Exide Offsite Sampling | PROJECT # | 449646-01017 |
| SITE NAME AND ADDRESS | Fishburn Ave ES<br>5701 Fishburn Ave, Maywood CA | | |

| | SAMPLE ID | LAB ID | DATE / TIME | MATRIX | CONTAINER NUMBER/ SIZE | PRES | Pb (6010B) | As,Cd, Cu,Sb, | Zn (6010B) | | | | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SCH-13-14-01 | 84014.28 | 8/11/2016@ 1142 | SOIL | 1 | ICE | X | | | | | | | | | | | | | | |
| 2 | SCH-13-14-03 | 84014.29 | 8/11/2016@ 1144 | SOIL | 1 | ICE | X | | | | | | | | | | | | | | |
| 3 | SCH-13-14-06 | 84014.30 | 8/11/2016@ 1146 | SOIL | 1 | ICE | X | | | | | | | | | | | | | | |
| 4 | ~~SCH-13-15-01~~ | | ~~8/11/2016@~~ | ~~SOIL~~ | ~~1~~ | ~~ICE~~ | ~~X~~ | ~~<~~ | ~~<~~ | MG | | | | | | | | | | | |
| 5 | ~~SCH-13-15-03~~ | | ~~8/11/2016@~~ | ~~SOIL~~ | ~~1~~ | ~~ICE~~ | ~~X~~ | | ~~<~~ | MG | | | | | | | | | | | H = hold |
| 6 | ~~SCH-13-15-06~~ | | ~~8/11/2016@~~ | ~~SOIL~~ | ~~1~~ | ~~ICE~~ | ~~X~~ | | ~~<~~ | MG | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | |

ANALYSIS REQUESTED

## SAMPLE RECEIPT – TO BE FILLED BY LABORATORY

| | | | |
|---|---|---|---|
| TOTAL NUMBER OF CONTAINERS | | PROPERLY COOLED Y / N / NA | |
| CUSTODY SEALS Y / N / NA | | SAMPLES INTACT Y / N / NA | |
| RECEIVED IN GOOD COND. Y / N | | SAMPLES ACCEPTED Y / N | |

**TURN AROUND TIME**

o NORMAL

x RUSH 1 DAY

| RELINQUISHED BY SAMPLER: | RELINQUISHED BY: | RELINQUISHED BY: |
|---|---|---|
| Signature: | Signature: | Signature: |
| Printed Name: ~~Peter Shall~~ MG Michael Giroe | Printed Name: | Printed Name: |
| RECEIVED BY: | RECEIVED BY: | RECEIVED BY: AETL |
| Signature: | Signature: | Signature: |
| Printed Name: | Printed Name: | Printed Name: Sean Lauder |
| Date / Time: | Date / Time: | Date / Time: 08/11/16 1715 |

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**Ordered By**

Parsons
100 West Walnut Street
Pasadena, CA 91124-

Telephone: (626)440-6161
Attention: Shala Craig

Project ID: 449646-01017
Date Received 08/11/2016
Date Reported 08/15/2016

| Job Number | Order Date | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

# CERTIFICATE OF ANALYSIS
## CASE NARRATIVE

AETL received 30 samples with the following specification on 08/11/2016.

| Lab ID | Sample ID | Sample Date | Matrix | Quantity Of Containers |
|---|---|---|---|---|
| 84014.01 | SCH-13-06-01 | 08/11/2016 | Soil | 1 |
| 84014.02 | SCH-13-06-03 | 08/11/2016 | Soil | 1 |
| 84014.03 | SCH-13-06-06 | 08/11/2016 | Soil | 1 |
| 84014.04 | SCH-13-07-01 | 08/11/2016 | Soil | 1 |
| 84014.05 | SCH-13-07-03 | 08/11/2016 | Soil | 1 |
| 84014.06 | SCH-13-07-06 | 08/11/2016 | Soil | 1 |
| 84014.07 | SCH-13-07-06D | 08/11/2016 | Soil | 1 |
| 84014.08 | SCH-13-08-01 | 08/11/2016 | Soil | 1 |
| 84014.09 | SCH-13-08-03 | 08/11/2016 | Soil | 1 |
| 84014.10 | SCH-13-08-06 | 08/11/2016 | Soil | 1 |
| 84014.11 | SCH-13-09-01 | 08/11/2016 | Soil | 1 |
| 84014.12 | SCH-13-09-03 | 08/11/2016 | Soil | 1 |
| 84014.13 | SCH-13-09-03D | 08/11/2016 | Soil | 1 |
| 84014.14 | SCH-13-09-06 | 08/11/2016 | Soil | 1 |
| 84014.15 | SCH-13-10-01 | 08/11/2016 | Soil | 1 |
| 84014.16 | SCH-13-10-03 | 08/11/2016 | Soil | 1 |
| 84014.17 | SCH-13-10-06 | 08/11/2016 | Soil | 1 |
| 84014.18 | SCH-13-11-01 | 08/11/2016 | Soil | 1 |
| 84014.19 | SCH-13-11-03 | 08/11/2016 | Soil | 1 |
| 84014.20 | SCH-13-11-06 | 08/11/2016 | Soil | 1 |
| 84014.21 | SCH-13-11-06D | 08/11/2016 | Soil | 1 |
| 84014.22 | SCH-13-12-01 | 08/11/2016 | Soil | 1 |
| 84014.23 | SCH-13-12-03 | 08/11/2016 | Soil | 1 |
| 84014.24 | SCH-13-12-06 | 08/11/2016 | Soil | 1 |

Continued

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com



**Ordered By**

| | |
|---|---|
| Parsons<br>100 West Walnut Street<br>Pasadena, CA 91124- | Project ID: 449646-01017<br>Date Received 08/11/2016<br>Date Reported 08/15/2016 |
| Telephone: (626)440-6161<br>Attention: Shala Craig | |

| Job Number | Order Date | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## CERTIFICATE OF ANALYSIS

### CASE NARRATIVE

| | | | | |
|---|---|---|---|---|
| 84014.25 | SCH-13-13-01 | 08/11/2016 | Soil | 1 |
| 84014.26 | SCH-13-13-03 | 08/11/2016 | Soil | 1 |
| 84014.27 | SCH-13-13-06 | 08/11/2016 | Soil | 1 |
| 84014.28 | SCH-13-14-01 | 08/11/2016 | Soil | 1 |
| 84014.29 | SCH-13-14-03 | 08/11/2016 | Soil | 1 |
| 84014.30 | SCH-13-14-06 | 08/11/2016 | Soil | 1 |

| Method ^ Submethod | Req Date | Priority | TAT | Units |
|---|---|---|---|---|
| (6010B.LEAD) | 08/12/2016 | 2 | Rush | mg/Kg |

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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# ANALYTICAL RESULTS

**Ordered By**

Parsons
100 West Walnut Street
Pasadena, CA 91124-

**Site**

Fishburn Ave. ES
5701 Fishburn Ave.
Maywood, CA 90270

Telephone: (626)440-6161
Attn: Shala Craig
Page: **2**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C7**

| Our Lab I.D. | | | Method Blank | 84014.01 | 84014.02 | 84014.03 | 84014.04 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | | SCH-13-06-01 | SCH-13-06-03 | SCH-13-06-06 | SCH-13-07-01 |
| Date Sampled | | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | ND | 20.3 | 13.6 | 16.1 | 24.6 |

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# ANALYTICAL RESULTS

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**Site**

Fishburn Ave. ES
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Maywood, CA 90270

Page: **3**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C7**

| Our Lab I.D. | | | 84014.05 | 84014.06 | 84014.07 | 84014.08 | 84014.09 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-07-03 | SCH-13-07-06 | SCH-13-07-06D | SCH-13-08-01 | SCH-13-08-03 |
| Date Sampled | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | 35.2 | 20.0 | 23.7 | 19.0 | 28.1 |

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# ANALYTICAL RESULTS

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Page: **4**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C7**

| **Our Lab I.D.** | | | **84014.10** | | | | |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-08-06 | | | | |
| Date Sampled | | | 08/11/2016 | | | | |
| Date Prepared | | | 08/12/2016 | | | | |
| Preparation Method | | | 3050B | | | | |
| Date Analyzed | | | 08/14/2016 | | | | |
| Matrix | | | Soil | | | | |
| Units | | | mg/Kg | | | | |
| Dilution Factor | | | 1 | | | | |
| **Analytes** | **MDL** | **PQL** | **Results** | | | | |
| Lead | 2.5 | 5.0 | 41.5 | | | | |

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# ANALYTICAL RESULTS

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Page: **5**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C8**

| Our Lab I.D. | | | Method Blank | 84014.11 | 84014.12 | 84014.13 | 84014.14 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | | SCH-13-09-01 | SCH-13-09-03 | SCH-13-09-03D | SCH-13-09-06 |
| Date Sampled | | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | ND | 17.1 | 14.4 | 14.9 | 36.7 |

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# ANALYTICAL RESULTS

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Attn: Shala Craig
Page: 6

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C8**

| Our Lab I.D. | | | 84014.15 | 84014.16 | 84014.17 | 84014.18 | 84014.19 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-10-01 | SCH-13-10-03 | SCH-13-10-06 | SCH-13-11-01 | SCH-13-11-03 |
| Date Sampled | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | 25.1 | 29.7 | 24.7 | 52.6 | 77.4 |

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# ANALYTICAL RESULTS

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Telephone: (626)440-6161
Attn: Shala Craig
Page: **7**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C8**

| **Our Lab I.D.** | | | **84014.20** | | | | |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-11-06 | | | | |
| Date Sampled | | | 08/11/2016 | | | | |
| Date Prepared | | | 08/12/2016 | | | | |
| Preparation Method | | | 3050B | | | | |
| Date Analyzed | | | 08/14/2016 | | | | |
| Matrix | | | Soil | | | | |
| Units | | | mg/Kg | | | | |
| Dilution Factor | | | 1 | | | | |
| **Analytes** | **MDL** | **PQL** | **Results** | | | | |
| Lead | 2.5 | 5.0 | 76.7 | | | | |

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# ANALYTICAL RESULTS

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Page: **8**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C9**

| Our Lab I.D. | | | Method Blank | 84014.21 | 84014.22 | 84014.23 | 84014.24 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | | SCH-13-11-06D | SCH-13-12-01 | SCH-13-12-03 | SCH-13-12-06 |
| Date Sampled | | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | ND | 76.3 | 64.6 | 74.1 | 70.7 |

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# ANALYTICAL RESULTS

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Telephone: (626)440-6161
Attn: Shala Craig
Page: 9

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C9**

| Our Lab I.D. | | | 84014.25 | 84014.26 | 84014.27 | 84014.28 | 84014.29 |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-13-01 | SCH-13-13-03 | SCH-13-13-06 | SCH-13-14-01 | SCH-13-14-03 |
| Date Sampled | | | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 | 08/11/2016 |
| Date Prepared | | | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 | 08/12/2016 |
| Preparation Method | | | 3050B | 3050B | 3050B | 3050B | 3050B |
| Date Analyzed | | | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 | 08/14/2016 |
| Matrix | | | Soil | Soil | Soil | Soil | Soil |
| Units | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Dilution Factor | | | 1 | 1 | 1 | 1 | 1 |
| **Analytes** | **MDL** | **PQL** | **Results** | **Results** | **Results** | **Results** | **Results** |
| Lead | 2.5 | 5.0 | 61.5 | 95.1 | 84.3 | 23.6 | 28.9 |

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# ANALYTICAL RESULTS

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Attn: Shala Craig
Page: **10**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C9**

| **Our Lab I.D.** | | | **84014.30** | | | | |
|---|---|---|---|---|---|---|---|
| Client Sample I.D. | | | SCH-13-14-06 | | | | |
| Date Sampled | | | 08/11/2016 | | | | |
| Date Prepared | | | 08/12/2016 | | | | |
| Preparation Method | | | 3050B | | | | |
| Date Analyzed | | | 08/14/2016 | | | | |
| Matrix | | | Soil | | | | |
| Units | | | mg/Kg | | | | |
| Dilution Factor | | | 1 | | | | |
| **Analytes** | **MDL** | **PQL** | **Results** | | | | |
| Lead | 2.5 | 5.0 | 22.0 | | | | |

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# QUALITY CONTROL RESULTS

**Ordered By**

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Attn: Shala Craig

**Site**

Fishburn Ave. ES
5701 Fishburn Ave.
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Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C7; Dup or Spiked Sample: 84014.01; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | Sample Result | MS Concen | MS Recov | MS % REC | MS DUP Concen | MS DUP Recov | MS DUP % REC | RPD % | MS/MSD % Limit | MS RPD % Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 20.3 | 50.0 | 58.2 | 75.8 | 50.0 | 58.0 | 75.4 | <1 | 75-125 | <15 |

**QC Batch No: 0812162C7; Dup or Spiked Sample: 84014.01; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | LCS Concen | LCS Recov | LCS % REC | LCS DUP Concen | LCS DUP Recov | LCS DUP % REC | LCS RPD % REC | LCS/LCSD % Limit | LCS RPD % Limit | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 50.0 | 47.8 | 95.6 | 50.0 | 53.7 | 107 | 11.3 | 75-125 | <15 | |

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# QUALITY CONTROL RESULTS

**Ordered By**

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**Site**

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Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C8; Dup or Spiked Sample: 84014.11; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | Sample Result | MS Concen | MS Recov | MS % REC | MS DUP Concen | MS DUP Recov | MS DUP % REC | RPD % | MS/MSD % Limit | MS RPD % Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 17.1 | 50.0 | 58.0 | 81.8 | 50.0 | 58.7 | 83.2 | 1.70 | 75-125 | <15 |

**QC Batch No: 0812162C8; Dup or Spiked Sample: 84014.11; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | LCS Concen | LCS Recov | LCS % REC | LCS DUP Concen | LCS DUP Recov | LCS DUP % REC | LCS RPD % REC | LCS/LCSD % Limit | LCS RPD % Limit | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 50.0 | 52.4 | 105 | 50.0 | 53.0 | 106 | <1 | 75-125 | <15 | |

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# QUALITY CONTROL RESULTS

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**Site**

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Page: **13**

Project ID: 449646-01017
Project Name: DTSC Exide Offsite Sampling

| AETL Job Number | Submitted | Client |
|---|---|---|
| 84014 | 08/11/2016 | PARSNS |

## Method: (6010B.LEAD), Lead, ICP

**QC Batch No: 0812162C9; Dup or Spiked Sample: 84014.21; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | Sample Result | MS Concen | MS Recov | MS % REC | MS DUP Concen | MS DUP Recov | MS DUP % REC | RPD % | MS/MSD % Limit | MS RPD % Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 76.3 | 50.0 | 125 | 97.4 | 50.0 | 125 | 97.4 | <1 | 75-125 | <15 |

**QC Batch No: 0812162C9; Dup or Spiked Sample: 84014.21; LCS: Clean Sand; QC Prepared: 08/12/2016; QC Analyzed: 08/14/2016; Units: mg/Kg**

| Analytes | LCS Concen | LCS Recov | LCS % REC | LCS DUP Concen | LCS DUP Recov | LCS DUP % REC | LCS RPD % REC | LCS/LCSD % Limit | LCS RPD % Limit | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 50.0 | 53.8 | 108 | 50.0 | 53.4 | 107 | <1 | 75-125 | <15 | |

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# Data Qualifiers and Descriptors

## *Data Qualifier:*

| | |
|---|---|
| #: | Recovery is not within acceptable control limits. |
| *: | In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied. |
| B: | Analyte was present in the Method Blank. |
| D: | Result is from a diluted analysis. |
| E: | Result is beyond calibration limits and is estimated. |
| H: | Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control. |
| J: | Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL). |
| M: | Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable. |
| MCL: | Maximum Contaminant Level |
| NS: | No Standard Available |
| S6: | Surrogate recovery is outside control limits due to matrix interference. |
| S8: | The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. |
| X: | Results represent LCS and LCSD data. |

## *Definition:*

| | |
|---|---|
| %Limi: | Percent acceptable limits. |
| %REC: | Percent recovery. |
| Con.L: | Acceptable Control Limits |
| Conce: | Added concentration to the sample. |
| LCS: | Laboratory Control Sample |
| MDL: | Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability. |

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# Data Qualifiers and Descriptors

| | |
|---|---|
| MS: | Matrix Spike |
| MS DU: | Matrix Spike Duplicate |
| ND: | Analyte was not detected in the sample at or above MDL. |
| PQL: | Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice. |
| Recov: | Recovered concentration in the sample. |
| RPD: | Relative Percent Difference |

Department of Toxic Substances Control

Barbara Lee
Director
5796 Corporate Avenue
Cypress, California 90630

Mathew Rodriguez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

**TO:** Peter Ruttan, P.G.
Project Manager
Department of Toxic Substances Control
Sacramento, California

**FROM:** Shukla Roy-Semmen, Ph.D.
Staff Toxicologist
Human and Ecological Risk Office

**DATE:** August 16, 2016

**SUBJECT:** Review of soils data collected from Fishburn Avenue Middle School, located in the vicinity of the former Exide secondary smelter in Vernon, California.

PCA: 11006 Site Code: 900219-00

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At the request of the Brownfields and Environmental Restoration program, the Human and Ecological Risk Office (HERO) reviewed soils data collected from the Fishburn Avenue Middle School and Clemente Charter, located on 5701 Fishburn Avenue, Maywood, California. The data were presented in "Attachment 1, July 2015 Soil Sampling Field Activities Report, Los Angeles Unified School District Schools, July 31, 2015". The report was prepared for Exide Technologies, by Advanced GeoServices and Avocet, and is dated July 30, 2015. Fishburn Middle School was one of eleven (11) schools evaluated for lead contamination as part of environmental investigations conducted for the secondary lead smelter, Exide Technologies, located in Vernon California.

Five soil samples from five locations (SCH-13-1D to SCH-13-5D) were collected from five depths (0-1", 1-3", 3-6", 6-12" and 12-18") below ground surface (bgs) at each location, and composited by depth to obtain five composite samples. These composite samples were analyzed for lead and one of the composite samples collected from 0-1" was found have lead levels (88.1 ppm) above the residential screening level of 80 ppm. To further investigate the source of these elevated levels, the discrete soils samples collected from this depth were analyzed for lead. Lead concentrations at two locations at the 0-1" depth (SCH-13-1D and SCH-13-2D) were 183 ppm and 144 ppm, respectively. These levels are higher than both soil screening levels of 80 ppm

(residential) and 110 ppm (a typical school child who attends the school five days a week, each year).

A review of the figure provided in the report indicated that the Fishburn Avenue Middle School is largely paved with soils accessible for sampling present only in planter and grassy areas and a field. The two locations with lead above screening levels of 80 ppm and 110 ppm were present in the grassy area in front of the school. HERO recommended additional discrete sampling in these locations to delineate the extent of the contamination.

In August 2016, under DTSC's oversight, soil samples were collected from nine locations throughout the school, including four locations in the grassy area (SCH-13-11, SCH-13-12, SCH-13-13 and SCH-13-14). All, except two soil samples (95.1 ppm and 84.3 ppm) had lead levels below the residential soil screening level of 80 ppm. In order to determine if the grassy area in front of the school, where elevated lead levels were found in the initial round of sampling, was acceptable, an exposure point concentration (EPC) was estimated using USEPA's Pro UCL 5.1.002 software. A 95% UCL of the mean of lead levels in the grassy area was determined to be 96.49 ppm, using data from sampling locations SCH-13-11 to SCH-13-14 (all three depths); SCH-13-1D and SCH-13-2D (from 0-1" only). In all 14 data points were used. Since the school has no plans to convert the property into a residential setting, using a screening level of 110 for a typical school child is reasonable. Based on the results, the soils at the school do not appear to pose unacceptable health risks to students or staff.

HERO notes that the decisions made in this document are site specific and should not be construed as a policy decision applicable to other sites. If you have additional questions please feel free to contact me at (714) 484-5448 or SRoysemm@dtsc.ca.gov.

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For J.P.