



Department of Toxic Substances Control



Matthew Rodriguez
Secretary for
Environmental Protection

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

Edmund G. Brown Jr.
Governor

April 27, 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

RESULTS OF SOIL SAMPLING AT SLAWSON OCCUPATIONAL CENTER, 5500 RICKENBACKER ROAD, BELL, CALIFORNIA, 90201; PIA SCHOOL PSCH-15

Dear Mr. Laughton,

Enclosed with this letter are the results of soil sampling conducted at the Slawson Occupational Center (Preliminary Investigation Area [PIA] School PSCH-15) located at 5500 Rickenbacker Road, Bell, California (Property). Department of Toxic Substances Control's (DTSC or Department) contractors conducted that soil sampling on March 22, 2016 in accordance with the DTSC-approved sampling work plan dated March 9, 2016.¹ The laboratory results of analysis for lead in soils collected on the property did not reveal concentrations above 80 parts-per-million; the Department's current level of concern. Based on the laboratory results, additional soil sampling and/or cleanup are not warranted for the Property.

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
Legacy Landfills Office

Enclosure

cc: (via email)
Mr. Pat Schanen, LAUSD
Mr. Bill Piazza, LAUSD

¹ Parsons; "Addendum to the November 18, 2015 Final Work Plan, Sampling and Analysis of Properties in the Vicinity of the Exide Facility (Vernon, California)", March 9, 2016.

Technical Memorandum

Date: 25 April 2016

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

**Subject: *Report for PIA School PSCH-15
Slawson Occupational Center
5500 Rickenbacker Road
Bell, California 90201***

This Technical Memorandum presents a summary of the sample results for Slawson Occupational Center located at 5500 Rickenbacker Rd., Bell, California (Property), designated as Preliminary Investigation Area (PIA) School number PSCH-15 (Figure 1). This Property was sampled on March 22, 2016 by Parsons. A total of 5 borings were hand-augered up to a maximum depth of 18 inches (Figure 2). Samples were collected at depths of 0-3 inches, 3-6 inches, 6-12 inches and 12-18 inches. Sampling equipment was decontaminated between sample locations to avoid cross-contamination.

Soil from each of the sample intervals (0-3 inches, 3-6 inches, 6-12 inches and 12-18 inches) were composited by depth to create a total of four samples. These soil samples were submitted to an offsite laboratory for analysis of lead (Table 1). The analytical laboratory report is provided in Attachment 1.

DTSC's current level of concern for lead in soil is 80 milligrams per kilogram (mg/kg). Analytical results for the composite samples ranged from 11 to 16 mg/kg (Table 1). Because none of the concentrations for the composite samples analyzed by the laboratory exceeded 80 mg/kg, no additional analyses were performed on the discrete samples collected from each boring. Based on the data generated during the sampling at the Property, there are no lead impacts in the composite soil samples above the DTSC's current level of concern.

CLOSING

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Shala Craig', with a stylized flourish at the end.

Shala Craig, P.E. #C-69804

Parsons Project Manager

Attachments: Table 1 – Laboratory Results for Soil Samples

Figure 1 – Site Location Map

Figure 2 – Soil Sample Location Map

Attachment 1 - Analytical Laboratory Report

cc: Peter Ruttan, DTSC

TABLES

Table 1
Laboratory Results for Soil Samples
PSCH No. 15

Sample ID	Date	Laboratory Report	Matrix	Depth (in)	Lead
					mg/kg
PSCH-15-3-COMP	3/22/2016	21038	Soil	0-3	12
PSCH-15-6-COMP	3/22/2016	21038	Soil	3-6	16
PSCH-15-12-COMP	3/22/2016	21038	Soil	6-12	13
PSCH-15-18-COMP	3/22/2016	21038	Soil	12-18	11

Notes:

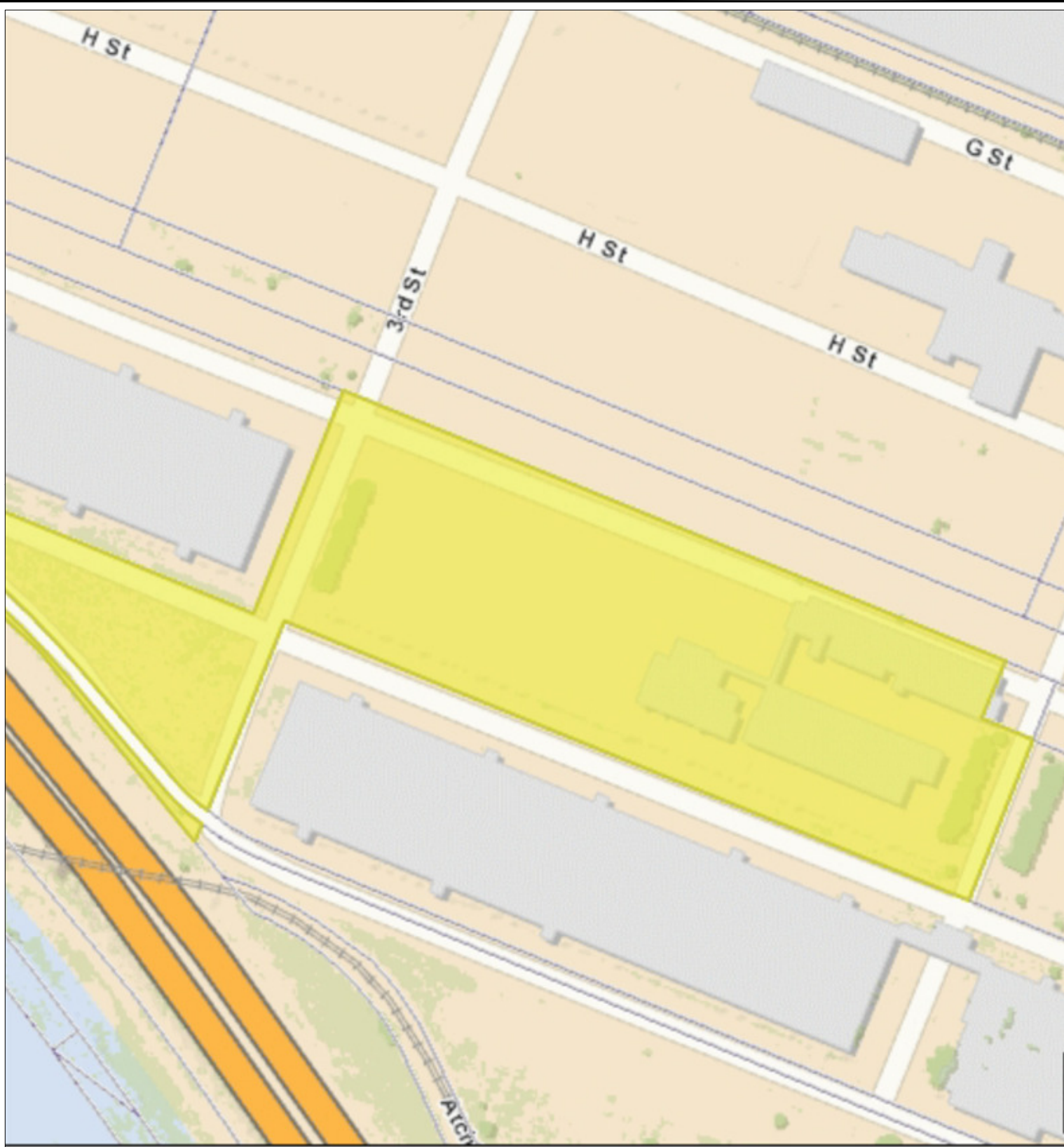
Detection concentrations are in **BOLD** text

ND<____ = Non-detect at the laboratory reporting limit

Laboratory Detection Limits:

Lead = 0.5 to 50 mg/kg

FIGURES



Source: Los Angeles County Parcel Viewer, 2016

SITE LOCATION MAP

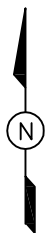
CLIENT: DTSC - EXIDE

LOCATION: PSCH-15 (Slawson Occupational Center)
5500 Rickenbacker Road, Bell, CA

PARSONS

FIGURE:

1



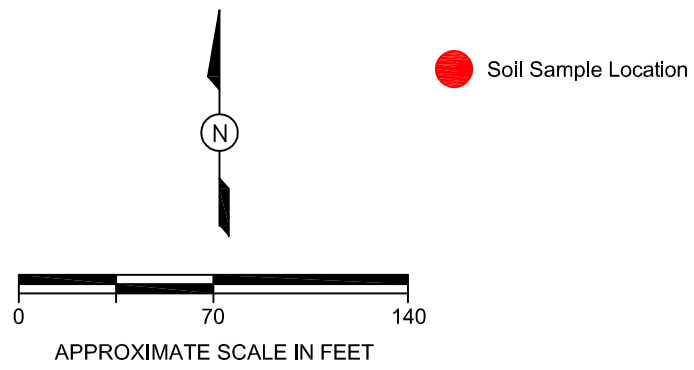
 Property Location

0 200 400

APPROXIMATE SCALE IN FEET



Source: Google Earth, 2016



SOIL SAMPLE LOCATION MAP	
CLIENT:	DTSC - EXIDE
LOCATION:	PSCH-15 (Slawson Occupational Center) 5500 Rickenbacker Road, Bell, CA
PARSONS	FIGURE: 2

ATTACHMENT 1
ANALYTICAL LABORATORY REPORTS



Orange Coast Analytical, Inc.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576

Expiration Date: 2017

Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client: Parsons Environment & Infrastructure, Inc.

Laboratory Reference: PEI 21038

Project Name: DTSC Exide Off-site sampling


Project Number: 449646.01003

Date Received: 3/24/2016

Date Reported: 3/30/2016

Chain of Custody Received: ☒

Analytical Method: 6010B,



Mark Noorani, Laboratory Director

Ms. Shala Craig
Parsons Environment & Infrastructure, Inc.
100 W. Walnut St
Pasadena, CA, 91124

Lab Reference #: PEI 21038
Project Name: DTSC Exide Off-site sampling
Project #: 449646.01003

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3°C, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Ms. Shala Craig
Parsons Environment & Infrastructure, Inc.
100 W. Walnut St
Pasadena, CA, 91124

Lab Reference #: PEI 21038
Project Name: DTSC Exide Off-site sampling
Project #: 449646.01003

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
PSCH-15-3-COMP	21038-001	3/24/2016	3/22/2016	Soil
PSCH-15-01-3	21038-002	3/24/2016	3/22/2016	Soil
PSCH-15-02-3	21038-003	3/24/2016	3/22/2016	Soil
PSCH-15-03-3	21038-004	3/24/2016	3/22/2016	Soil
PSCH-15-04-3	21038-005	3/24/2016	3/22/2016	Soil
PSCH-15-05-3	21038-006	3/24/2016	3/22/2016	Soil
PSCH-15-05-3D	21038-007	3/24/2016	3/22/2016	Soil
PSCH-15-6-COMP	21038-008	3/24/2016	3/22/2016	Soil
PSCH-15-01-6	21038-009	3/24/2016	3/22/2016	Soil
PSCH-15-02-6	21038-010	3/24/2016	3/22/2016	Soil
PSCH-15-03-6	21038-011	3/24/2016	3/22/2016	Soil
PSCH-15-04-6	21038-012	3/24/2016	3/22/2016	Soil
PSCH-15-05-6	21038-013	3/24/2016	3/22/2016	Soil
PSCH-15-12-COMP	21038-014	3/24/2016	3/22/2016	Soil
PSCH-15-01-12	21038-015	3/24/2016	3/22/2016	Soil
PSCH-15-02-12	21038-016	3/24/2016	3/22/2016	Soil
PSCH-15-03-12	21038-017	3/24/2016	3/22/2016	Soil
PSCH-15-04-12	21038-018	3/24/2016	3/22/2016	Soil
PSCH-15-05-12	21038-019	3/24/2016	3/22/2016	Soil
PSCH-15-18-COMP	21038-020	3/24/2016	3/22/2016	Soil
PSCH-15-01-18	21038-021	3/24/2016	3/22/2016	Soil
PSCH-15-02-18	21038-022	3/24/2016	3/22/2016	Soil
PSCH-15-03-18	21038-023	3/24/2016	3/22/2016	Soil
PSCH-15-04-18	21038-024	3/24/2016	3/22/2016	Soil
PSCH-15-05-18	21038-025	3/24/2016	3/22/2016	Soil
PSCH-15-05-18 MS/MSD	21038-026	3/24/2016	3/22/2016	Soil

Ms. Shala Craig
 Parsons Environment & Infrastructure, Inc.
 100 W. Walnut St
 Pasadena, CA, 91124

Lab Reference #: PEI 21038
 Project Name: DTSC Exide Off-site sampling
 Project #: 449646.01003

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix				
PSCH-15-3-COMP	21038-001	3/24/2016	3/22/2016	Soil				
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
Lead	6010B	12	mg/kg	03/28/16	03/29/16	--	1	
PSCH-15-6-COMP	21038-008	3/24/2016	3/22/2016	Soil				
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
Lead	6010B	16	mg/kg	03/28/16	03/29/16	--	1	
PSCH-15-12-COMP	21038-014	3/24/2016	3/22/2016	Soil				
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
Lead	6010B	13	mg/kg	03/28/16	03/29/16	--	1	
PSCH-15-18-COMP	21038-020	3/24/2016	3/22/2016	Soil				
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>	
Lead	6010B	11	mg/kg	03/28/16	03/29/16	--	1	
Method Blank				Soil				
<u>MB ID</u>	<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
MBSG0328161	Lead	6010B	<0.50	mg/kg	03/28/16	03/29/16	--	1

**QA/QC Report
for
Metals**

Reference #: PEI 21038

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

6010B

Analyte	Date of Extraction	MS Date of Analysis	MSD Date of Analysis	Laboratory Sample #	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Lead	3/28/2016	3/29/2016	3/29/2016	21037-001	7.30	20.0	24.8	26.8	88	98	8	75-125	20	--

Laboratory Control Sample

Analyte	Date of Extraction	LCS Date of Analysis	LCSD Date of Analysis	Laboratory Sample #	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Lead	3/28/2016	3/29/2016	3/29/2016	SG0328161	20.0	20.8	21.1	104	106	1	80-120	20	--

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: $\{(MS-R1) / SP\ CONC\} \times 100$
%MSD	Percent recovery of MSD: $\{(MSD-R1) / SP\ CONC\} \times 100$
RPD (for MS/MSD)	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: $\{(LCS) / SP\ CONC\} \times 100$
%LCSD	Percent recovery of LCSD: $\{(LCSD) / SP\ CONC\} \times 100$
RPD (for LCS/LCSD)	Relative Percent Difference: $\{(LCS-LCSD) / (LCS+LCSD)\} \times 100 \times 2$
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

TICAL, INC. **www.ocalab.com**

Lab Job No: 21038
Page 1 of 4



(714) 832-0064 Fax (714) 832-0067

(480) 736-0960 Fax (480) 736-0970

CUSTOMER INFORMATION		PROJECT INFORMATION																	
COMPANY: Parsons		PROJECT NAME: DTSC Exide Off-site sampling																	
SEND REPORT TO: Shala Craig		NUMBER: 449646.01003																	
ADDRESS: 100 West Walnut Street		ADDRESS: Various																	
Pasadena, CA 91124																			
EMAIL: shala.craig@parsons.com		P.O.#:																	
PHONE: 626-440-6161 FAX: 626-440-2993		SAMPLED BY:																	
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	Pb (6010B), 1	As, Cd, Cu, Sb, Zn (6010B)	Composite at lab											REMARKS / PRECAUTIONS	
PSCH-15-3-COMP	1			SS	✓		✓											Partially composite discrete samples. Reserve enough sample for individual analysis.	
PSCH-15-01-3	1	3/22/16	1237	SS	✓													HOLD	
PSCH-15-02-3	1	{	1241	SS	✓													HOLD	
PSCH-15-03-3	1		1245	SS	✓													HOLD	
PSCH-15-04-3	1		1252	SS	✓													HOLD	
PSCH-15-05-3	1		1257	SS	✓													HOLD	
PSCH-15-05-3D	1	3/22/16	1257	SS	✓													Tom: 626-440-6067 HOLD	
Total No. of Samples:	Method of Shipment:				Preservative: 1 = Ice 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other														
Relinquished By: [Signature] Date/Time: 3/23/16 1815		Received By: [Signature] Date/Time:				Sample Matrix: WW - Wastewater DW - Drinkingwater SS - Soil/Solid GW - Groundwater OT - Other													
Relinquished By: Date/Time:		Received By: Date/Time:				Sample Integrity: Intact ✓ On Ice 3 °C													
Relinquished By: Date/Time:		Received For Lab By: OACA [Signature] Date/Time: 3/24/16 0600																	

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.



4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: 21038
Page 2 of

[illegible]

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

Lab Job No: 21050
Page 3 of 4



ORANGE COAST ANALYTICAL, INC.

www.ocalab.com

3002 Dow, Suite 532

Tustin, CA 92780

(714) 832-0064 Fax (714) 832-0067

4620 E. Elwood, Suite 4

Phoenix, AZ 85040

(480) 736-0960 Fax (480) 736-0970

CUSTOMER INFORMATION						PROJECT INFORMATION											
COMPANY: Parsons						PROJECT NAME: DTSC Exide Off-site sampling											
SEND REPORT TO: Shala Craig						NUMBER: 449646.01003											
ADDRESS: 100 West Walnut Street Pasadena, CA 91124						ADDRESS: Various											
EMAIL: shala.craig@parsons.com						P.O.#:											
PHONE: 626-440-6161 FAX: 626-440-2993						SAMPLED BY:											
SAMPLE ID	No. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	Pb (6010B), I	As, Cd, Cu, Sb, Zn (6010B)	Composite at lab										REMARKS / PRECAUTIONS
PSCH-15-12-COMP	1			SS	✓		✓										Partially composite discrete samples. Reserve enough sample for individual analysis.
PSCH-15-01-12	1	3/22/16	1239	SS	✓												HOLD
PSCH-15-02-12	1	{	1243	SS	✓												HOLD
PSCH-15-03-12	1		1247	SS	✓												HOLD
PSCH-15-04-12	1		1254	SS	✓												HOLD
PSCH-15-05-12	1		1259	SS	✓												HOLD
								Tom: 626-440-6067									
Total No. of Samples:	Method of Shipment:				Preservative: 1 = Ice 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other												
Relinquished By: <i>Mimi Smith</i>		Date/Time: 3/23/16 1815	Received By:			Date/Time:			Sample Matrix: WW - Wastewater DW - Drinkingwater GW - Groundwater OT - Other								
Relinquished By:		Date/Time:	Received By:			Date/Time:											
Relinquished By:		Date/Time:	Received For Lab By: OCACA			Date/Time: 3/24/16 0600			Sample Integrity: Intact ✓ On Ice 3 °C								

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

www.ocalab.com

Sample Receipt Report

Laboratory Reference PEI 21038

Logged in by MM

Received: 03/24/16 06:00 Company Name: Parsons Environment & Infrastructure
Method of Shipment: OnTrac Project Manager: Ms. Shala Craig
Shipping Container: Cooler Project Name: DTSC Exide Off-site sampling
Shipping Containers: 1 Project #: 449646.01003

Sample Quantity

26 Soil

Chain of Custody	Complete <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	None <input type="checkbox"/>
Samples On Ice	Yes, Wet <input checked="" type="checkbox"/>	Yes, Blue <input type="checkbox"/>	No <input type="checkbox"/>
Temperature	<u>3°C</u>		
Shipping Intact	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	No <input type="checkbox"/>
Shipping Custody Seals Intact	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples Intact	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Sample Custody Seals Intact	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Custody Seals Signed & Dated	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Proper Test Containers	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Proper Test Preservations	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
Samples Within Hold Times	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>
VOAs Have Zero Headspace	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample Labels	Complete <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	None <input type="checkbox"/>
Sample Information Matches COC	Yes <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	No <input type="checkbox"/>

Notes

Client Notified _____

By _____

On _____