



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

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



Edmund G. Brown Jr.
Governor

April 28, 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 FORD BOULEVARD ELEMENTARY SCHOOL,
1112 SOUTH FORD BOUELVARD, EAST LOS ANGELES, CALIFORNIA 90022;
PIA SCHOOL PSCH-12

Dear Mr. Laughton,

Enclosed with this letter are the results of soil sampling conducted at the Ford Boulevard Elementary School, (Preliminary Investigation Area [PIA] School PSCH-12) located at 1112 South Ford Boulevard, East Los Angeles, 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-12
Ford Boulevard Elementary School
1112 South Ford Boulevard
East Los Angeles, California 90022***

This Technical Memorandum presents a summary of the sample results for Ford Blvd. Elementary School located at 1112 S. Ford Blvd., East Los Angeles, California (Property), designated as Preliminary Investigation Area (PIA) School number PSCH-12 (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 41 to 66 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. 12

Sample ID	Date	Laboratory Report	Matrix	Depth (in)	Lead
					mg/kg
PSCH-12-3-COMP	3/22/2016	21045	Soil	0-3	53
PSCH-12-6-COMP	3/22/2016	21045	Soil	3-6	66
PSCH-12-12-COMP	3/22/2016	21045	Soil	6-12	64
PSCH-12-18-COMP	3/22/2016	21045	Soil	12-18	41

Notes:

Detection concentrations are in **BOLD** text

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

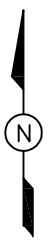
Laboratory Detection Limits:

Lead = 0.5 to 50 mg/kg

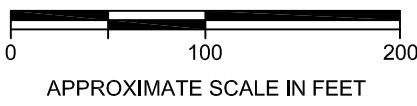
FIGURES



Source: Los Angeles County Parcel Viewer, 2016



 Property Location

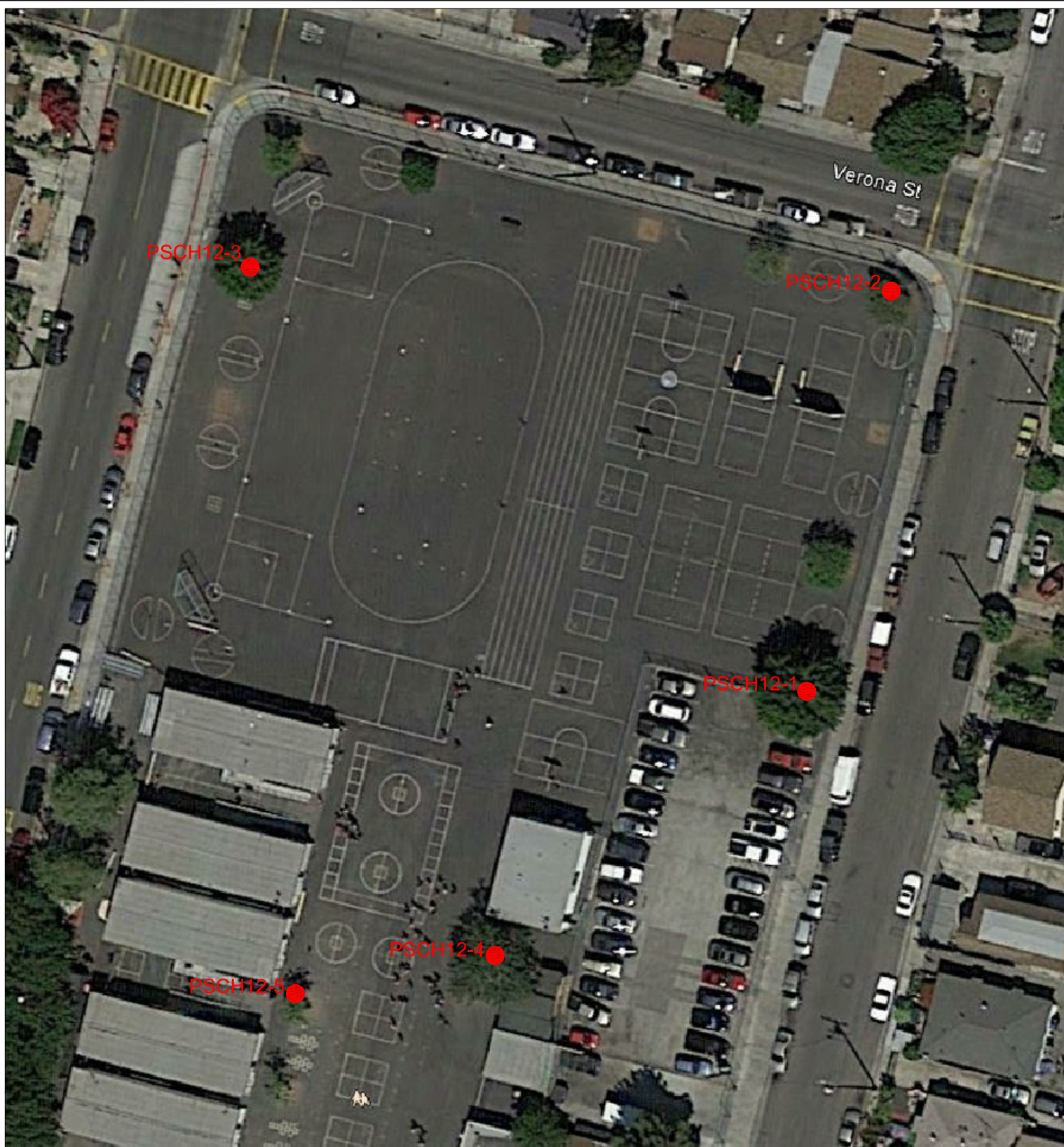


SITE LOCATION MAP

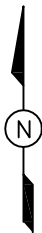
CLIENT:	DTSC - EXIDE
LOCATION:	PSCH-12 (Ford Blvd. Elementary) 1112 S. Ford Blvd., East Los Angeles, CA

PARSONS

FIGURE:
1



Source: Google Earth, 2016



Soil Sample Location



APPROXIMATE SCALE IN FEET

SOIL SAMPLE LOCATION MAP

CLIENT: DTSC - EXIDE

LOCATION: PSCH-12 (Ford Blvd. Elementary)
1112 S. Ford Blvd., East Los Angeles, CA



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 21045

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 21045
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 21045
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-12-3-COMP	21045-001	3/24/2016	3/22/2016	Soil
PSCH-12-01-3	21045-002	3/24/2016	3/22/2016	Soil
PSCH-12-02-3	21045-003	3/24/2016	3/22/2016	Soil
PSCH-12-03-3	21045-004	3/24/2016	3/22/2016	Soil
PSCH-12-04-3	21045-005	3/24/2016	3/22/2016	Soil
PSCH-12-05-3	21045-006	3/24/2016	3/22/2016	Soil
PSCH-12-02-3D	21045-007	3/24/2016	3/22/2016	Soil
PSCH-12-6-COMP	21045-008	3/24/2016	3/22/2016	Soil
PSCH-12-01-6	21045-009	3/24/2016	3/22/2016	Soil
PSCH-12-02-6	21045-010	3/24/2016	3/22/2016	Soil
PSCH-12-03-6	21045-011	3/24/2016	3/22/2016	Soil
PSCH-12-04-6	21045-012	3/24/2016	3/22/2016	Soil
PSCH-12-05-6	21045-013	3/24/2016	3/22/2016	Soil
PSCH-12-04-6 MS/MSD	21045-014	3/24/2016	3/22/2016	Soil
PSCH-12-12-COMP	21045-015	3/24/2016	3/22/2016	Soil
PSCH-12-01-12	21045-016	3/24/2016	3/22/2016	Soil
PSCH-12-02-12	21045-017	3/24/2016	3/22/2016	Soil
PSCH-12-03-12	21045-018	3/24/2016	3/22/2016	Soil
PSCH-12-04-12	21045-019	3/24/2016	3/22/2016	Soil
PSCH-12-05-12	21045-020	3/24/2016	3/22/2016	Soil
PSCH-12-18-COMP	21045-021	3/24/2016	3/22/2016	Soil
PSCH-12-01-18	21045-022	3/24/2016	3/22/2016	Soil
PSCH-12-02-18	21045-023	3/24/2016	3/22/2016	Soil
PSCH-12-03-18	21045-024	3/24/2016	3/22/2016	Soil
PSCH-12-04-18	21045-025	3/24/2016	3/22/2016	Soil
PSCH-12-05-18	21045-026	3/24/2016	3/22/2016	Soil

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

Lab Reference #: PEI 21045
 Project Name: DTSC Exide Off-site sampling
 Project #: 449646.01003

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix				
PSCH-12-3-COMP	21045-001	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	53	mg/kg	03/28/16	03/29/16	--	1	
PSCH-12-6-COMP	21045-008	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	66	mg/kg	03/28/16	03/29/16	--	1	
PSCH-12-12-COMP	21045-015	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	64	mg/kg	03/28/16	03/29/16	--	1	
PSCH-12-18-COMP	21045-021	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	41	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>
MBSG0328162	Lead	6010B	<0.50	mg/kg	03/28/16	03/29/16	--	1

**QA/QC Report
for
Metals**

Reference #: PEI 21045

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	21043-001	41.0	20.0	83.8	58.0	214	85	36	75-125	20	M3,

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	SG0328162	20.0	20.9	21.0	104	105	0	80-120	20	--

Data Qualifier Definitions

Qualifier

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level.
The associated blank spike recovery was acceptable.

21043-001	6010B	Lead	MS/MSD
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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



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

Lab Job No: 21045
Page 1 of 4

CUSTOMER INFORMATION						PROJECT INFORMATION															REQUIRED TAT:	
COMPANY: Parsons						PROJECT NAME: DTSC Exide Off-site sampling															Standard	
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-12-3-COMP		1			SS	✓		✓										Partially composite discrete samples. Reserve enough sample for individual analysis.				
PSCH-12-01-3		1	3/22/16	1117	SS	✓												HOLD				
PSCH-12-02-3		1	{	1121	SS	✓												HOLD				
PSCH-12-03-3		1		1125	SS	✓												HOLD				
PSCH-12-04-3		1		1130	SS	✓												HOLD				
PSCH-12-05-3		1	}	1135	SS	✓												HOLD				
PSCH-12-02-30		1	3/22/16	1121	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: <i>Miriam Amdur</i>			Date/Time: 3/23/16 1815			Received By:			Date/Time:			Sample Matrix:			WW - Wastewater							
Relinquished By:			Date/Time:			Received By:			Date/Time:			DW - Drinkingwater			SS - Soil/Solid							
												GW - Groundwater			OT - Other							
Relinquished By:			Date/Time:			Received For Lab By: OCACB			Date/Time:			Sample Integrity:			Intact ✓ On Ice 3 °C							
						<i>[Signature]</i>			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.

Analysis Request and Chain of Custody Record

Lab Job No: 21095
Page 2 of



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					REQUIRED TAT: Standard									
COMPANY: Parsons		PROJECT NAME: DTSC Exide Off-site sampling														
SEND REPORT TO: Shala Craig		NUMBER: 449646.01003														
ADDRESS: 100 West Walnut Street		ADDRESS: Various					REMARKS / PRECAUTIONS									
Pasadena, CA 91124																
EMAIL: shala.craig@parsons.com		P O #:														
PHONE: 626-440-6161 FAX: 626-440-2993		SAMPLED BY:					Pb (6010B), 1 As, Cd, Cu, Sb, Zn (6010B) Composite at lab									
SAMPLE ID		NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX											
PSCH-12-6-COMP		1			SS	✓										
PSCH-12-01-6		1	3/22/16	1118	SS	✓										HOLD
PSCH-12-02-6		1	}	1122	SS	✓										HOLD
PSCH-12-03-6		1		1126	SS	✓										HOLD
PSCH-12-04-6		1		1131	SS	✓										HOLD
PSCH-12-05-6		1		1136	SS	✓										HOLD
PSCH-12-04-6 MS/MSD		1	3/22/16	1131	SS	✓										Tom: 626-440-6067 HOLD
Total No. of Samples:		Method of Shipment:				Preservative: 1 = Ice 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other										
Relinquished By: <i>Miriam Lind</i>		Date/Time: 3/23/16 1815		Received By:		Date/Time:		Sample Matrix: WW - Wastewater								
Relinquished By:		Date/Time:		Received By:		Date/Time:		DW - Drinkingwater								
Relinquished By:		Date/Time:		Received By:		Date/Time:		GW - Groundwater								
Relinquished By:		Date/Time:		Received For Lab By: <i>OACA</i>		Date/Time: 3/24/16 0600		Sample Integrity: Intact <input checked="" type="checkbox"/>		On Ice <u>3</u> °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.

Analysis Request and Chain of Custody Record

Lab Job No: 21045
Page 3 of 4



ORANGE COAST ANALYTICAL, INC.

www.ocalab.com

3002 Dow, Suite 532
Tustin, CA 92780

4620 E. Elwood, Suite 4
Phoenix, AZ 85040

(714) 832-0064 Fax (714) 832-0067 (480) 736-0960 Fax (480) 736-0970

ANALYSIS / CONTAINER / PRESERVATIVE

REQUIRED TAT: Standard

REMARKS / PRECAUTIONS

CUSTOMER INFORMATION		PROJECT INFORMATION				ANALYSIS / CONTAINER / PRESERVATIVE										REMARKS / PRECAUTIONS
COMPANY: Parsons		PROJECT NAME: DTSC Exide Off-site sampling				Pb (6010B), 1	As, Cd, Cu, Sb, Zn (6010B)	Composite at lab								
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												
15 PSCH-12-12-COMP	1			SS	✓		✓								Partially composite discrete samples. Reserve enough sample for individual analysis.	
16 PSCH-12-01-12	1	3/21/16	1119	SS	✓										HOLD	
17 PSCH-12-02-12	1		1123	SS	✓										HOLD	
18 PSCH-12-03-12	1		1127	SS	✓										HOLD	
19 PSCH-12-04-12	1		1132	SS	✓										HOLD	
20 PSCH-12-05-12	1		1137	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: <u>Miriam Lind</u> Date/Time: <u>3/23/16 1815</u>		Received By: _____ Date/Time: _____				Sample Matrix: WW - Wastewater DW - Drinkingwater SS - Soil/Solid GW - Groundwater OT - Other										
Relinquished By: _____ Date/Time: _____		Received By: _____ Date/Time: _____														
Relinquished By: _____ Date/Time: _____		Received For Lab By: <u>OCALAB</u> Date/Time: <u>3/24/16 0600</u>				Sample Integrity: Intact <u>✓</u> On Ice <u>3</u> °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 21045

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: 5

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