



## 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

May 3, 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 EASTMAN AVENUE EARLY EDUCATION  
CENTER, 1266 SOUTH GAGE AVENUE, LOS ANGELES, CALIFORNIA, 90023;  
PIA SCHOOL PSCH-16

Dear Mr. Laughton,

Enclosed with this letter are the results of soil sampling conducted at the Eastman Avenue Early Education Center (Preliminary Investigation Area [PIA] School PSCH-16) located at 1266 South Gage Avenue, Los Angeles, California (Property). Department of Toxic Substances Control's (DTSC or Department) contractors conducted that soil sampling on April 14, 2016 in accordance with the DTSC-approved sampling work plan dated March 9, 2016.<sup>1</sup> 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](mailto: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

<sup>1</sup> 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: 2 May 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-16  
Eastman Avenue Early Educational Center  
1266 South Gage Avenue  
Los Angeles, California 90023***

This Technical Memorandum presents a summary of the sample results for Eastman Avenue Early Educational Center located at 1266 S. Gage Ave., Los Angeles, California (Property), designated as Preliminary Investigation Area (PIA) School number PSCH-16 (Figure 1). This Property was sampled on April 14, 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 27 to 38 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. 16**

Sample ID	Date	Laboratory Report	Matrix	Depth (in)	Lead
					mg/kg
PSCH-16-3-COMP	4/14/2016	21209	Soil	0-3	<b>38</b>
PSCH-16-6-COMP	4/14/2016	21209	Soil	3-6	<b>28</b>
PSCH-16-12-COMP	4/14/2016	21209	Soil	6-12	<b>37</b>
PSCH-16-18-COMP	4/14/2016	21209	Soil	12-18	<b>27</b>

**Notes:**

Detection concentrations are in **BOLD** text

ND<\_\_\_\_ = Non-detect at the laboratory reporting limit

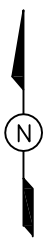
Laboratory Detection Limits:

Lead = 0.5 to 50 mg/kg

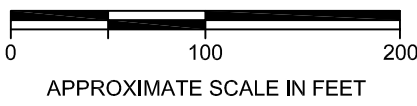
## FIGURES



Source: Los Angeles County Parcel Viewer, 2016

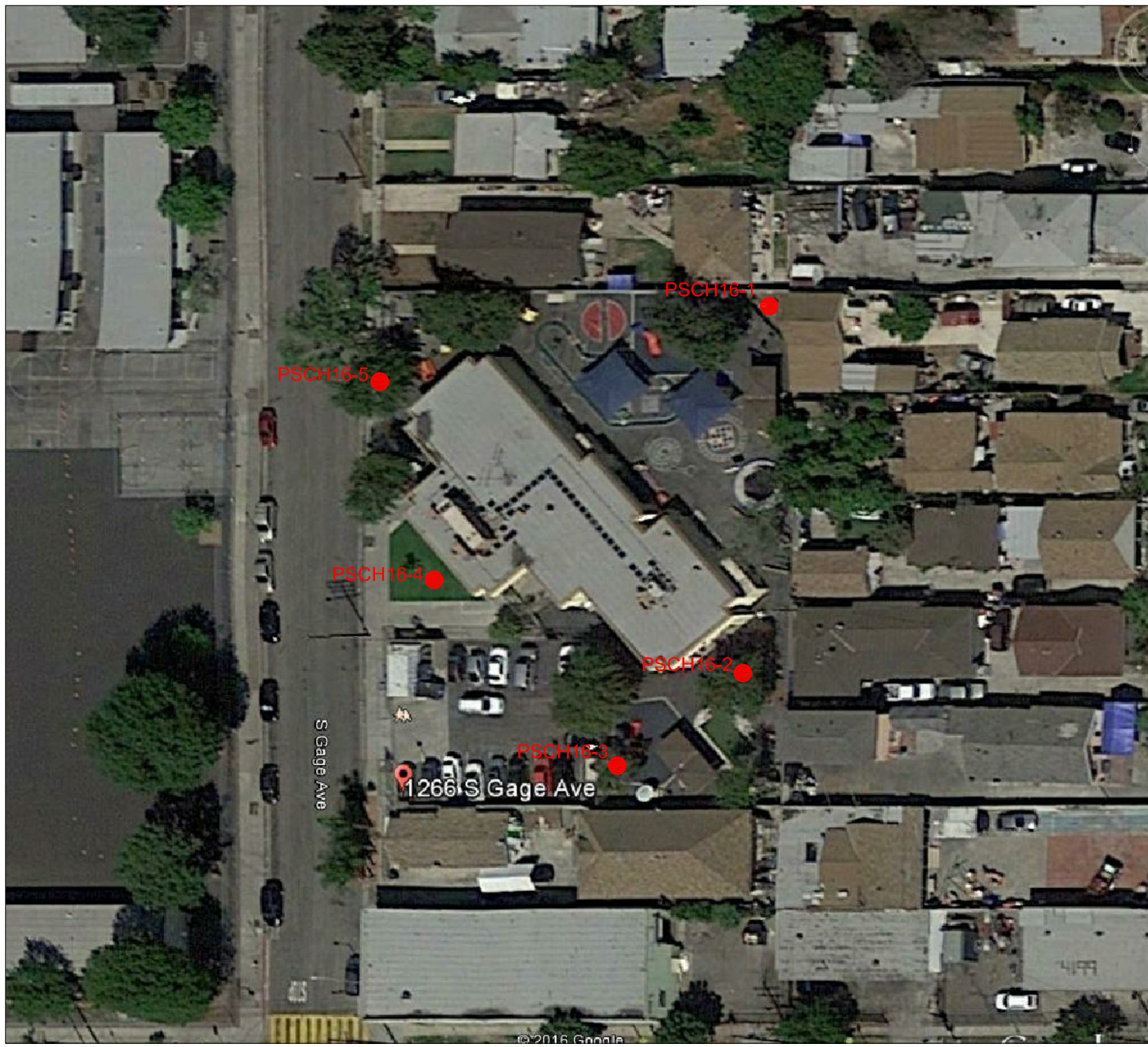


 Property Location



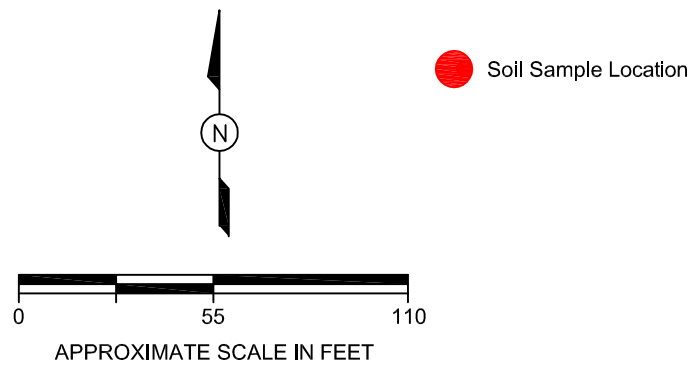
SITE LOCATION MAP	
CLIENT:	DTSC - EXIDE
LOCATION:	PSCH-16 (Eastman Ave. Early Ed. Center) 1266 S. Gage Ave., Los Angeles, CA
<b>PARSONS</b>	FIGURE: <b>1</b>





© 2016 Google

Source: Google Earth, 2016



SOIL SAMPLE LOCATION MAP	
CLIENT:	DTSC - EXIDE
LOCATION:	PSCH-16 (Eastman Ave. Early Ed. Center) 1266 S. Gage Ave., Los Angeles, CA
<b>PARSONS</b>	FIGURE: <b>2</b>



**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 21209

Project Name: DTSC Exide Off-site sampling


Project Number: 449646.01013

Date Received: 4/16/2016

Date Reported: 4/27/2016

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 21209  
Project Name: DTSC Exide Off-site sampling  
Project #: 449646.01013

### ***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 21209  
Project Name: DTSC Exide Off-site sampling  
Project #: 449646.01013

***Client Sample Summary***

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
PSCH-16-3-COMP	21209-001	4/16/2016	4/14/2016	Soil
PSCH-16-01-3	21209-002	4/16/2016	4/14/2016	Soil
PSCH-16-02-3	21209-003	4/16/2016	4/14/2016	Soil
PSCH-16-03-3	21209-004	4/16/2016	4/14/2016	Soil
PSCH-16-04-3	21209-005	4/16/2016	4/14/2016	Soil
PSCH-16-05-3	21209-006	4/16/2016	4/14/2016	Soil
PSCH-16-6-COMP	21209-007	4/16/2016	4/14/2016	Soil
PSCH-16-01-6	21209-008	4/16/2016	4/14/2016	Soil
PSCH-16-02-6	21209-009	4/16/2016	4/14/2016	Soil
PSCH-16-03-6	21209-010	4/16/2016	4/14/2016	Soil
PSCH-16-04-6	21209-011	4/16/2016	4/14/2016	Soil
PSCH-16-05-6	21209-012	4/16/2016	4/14/2016	Soil
PSCH-16-12-COMP	21209-013	4/16/2016	4/14/2016	Soil
PSCH-16-01-12	21209-014	4/16/2016	4/14/2016	Soil
PSCH-16-02-12	21209-015	4/16/2016	4/14/2016	Soil
PSCH-16-03-12	21209-016	4/16/2016	4/14/2016	Soil
PSCH-16-04-12	21209-017	4/16/2016	4/14/2016	Soil
PSCH-16-05-12	21209-018	4/16/2016	4/14/2016	Soil
PSCH-16-18-COMP	21209-019	4/16/2016	4/14/2016	Soil
PSCH-16-01-18	21209-020	4/16/2016	4/14/2016	Soil
PSCH-16-02-18	21209-021	4/16/2016	4/14/2016	Soil
PSCH-16-03-18	21209-022	4/16/2016	4/14/2016	Soil
PSCH-16-04-18	21209-023	4/16/2016	4/14/2016	Soil
PSCH-16-05-18	21209-024	4/16/2016	4/14/2016	Soil

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

Lab Reference #: PEI 21209  
 Project Name: DTSC Exide Off-site sampling  
 Project #: 449646.01013

**Metals**

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix				
PSCH-16-3-COMP	21209-001	4/16/2016	4/14/2016	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	38	mg/kg	04/22/16	04/26/16	--	1	
PSCH-16-6-COMP	21209-007	4/16/2016	4/14/2016	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	28	mg/kg	04/22/16	04/26/16	--	1	
PSCH-16-12-COMP	21209-013	4/16/2016	4/14/2016	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	37	mg/kg	04/22/16	04/26/16	--	1	
PSCH-16-18-COMP	21209-019	4/16/2016	4/14/2016	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	27	mg/kg	04/22/16	04/26/16	--	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>
MBSG0422162	Lead	6010B	<0.50	mg/kg	04/22/16	04/25/16	--	1

**QA/QC Report  
for  
Metals**

Reference #: PEI 21209

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	4/22/2016	4/25/2016	4/25/2016	21515-005	3.30	20.0	21.2	21.1	90	89	0	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	4/22/2016	4/25/2016	4/25/2016	SG0422162	20.0	19.8	19.6	99	98	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



***www.ocalab.com***



# 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

Lab Job No: 21209  
Page 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION				ANALYSIS / CONTAINER / PRESERVATIVE										REQUIRED TAT:	REMARKS / PRECAUTIONS		
COMPANY: <u>Parsons</u>		PROJECT NAME: <u>DTSC Exide Off-site sampling</u>				Pb (6010B), 1	As, Cd, Cu, Sb, Zn (6010B)	Composite at lab											<u>Standard</u>
SEND REPORT TO: <u>Shala Craig</u>		NUMBER: <u>449646-01003-01013</u>																	
ADDRESS: <u>100 West Walnut Street</u>		ADDRESS: <u>Various</u>																	
<u>Pasadena, CA 91124</u>																			
EMAIL: <u>shala.craig@parsons.com</u>		P.O. #:																	
PHONE: <u>626-440-6161</u> FAX: <u>626-440-2993</u>		SAMPLED BY:																	
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX															
PSCH-16-12-COMP	1			SS	✓					✓								Partially composite discrete samples. Reserve enough sample for individual analysis.	
PSCH-16-01-12	1	<u>4/14/16</u>	<u>1531</u>	SS	✓													HOLD	
PSCH-16-02-12	1		<u>1522</u>	SS	✓													HOLD	
PSCH-16-03-12	1		<u>1512</u>	SS	✓										HOLD				
PSCH-16-04-12	1		<u>1550</u>	SS	✓										HOLD				
PSCH-16-05-12	1		<u>1537</u>	SS	✓										HOLD				
Tom: 626-440-6067																			
Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO <sub>3</sub> 4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6 = Other																			
Relinquished By: <u>Minda Gini</u>		Date/Time: <u>4/15/16 1430</u>		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: <u>Minda Gini</u>		Date/Time: <u>4-16-16 0730</u>		Sample Integrity: Intact <u>On Ice</u> <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.



# Sample Receipt Report

Laboratory Reference PEI 21209

Logged in by MM

Received: 04/16/16 07:30

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 #: 449646.01013

Sample Quantity

24 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 \_\_\_\_\_