

# Appendix E

## Limited Subsurface ESA



February 21, 2017

TO: Christopher Stone  
Water Resources Division

Attention Valerie Esparza

FROM: Greg Kelley *Greg Kelley*  
Geotechnical and Materials Engineering Division

**LIMITED SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT  
UNITED ROCK PRODUCTS QUARRY NO. 3  
1137 MERIDIAN STREET, IRWINDALE  
PROJECT ID FCC0001300 (PROJECT NO. HF02414001)**

In response to your request dated September 12, 2016, we performed a Limited Subsurface Environmental Site Assessment (see attached report) that sampled and analyzed fill materials that were reportedly deposited in the United Rock Products Quarry No. 3. We understand that the Los Angeles County Flood Control District plans to acquire the quarry for permanent use as a sediment placement site. The sampled fill materials were analyzed for typical contaminants, with results indicating that two soil samples were impacted with lead levels indicative of non-Resource Conservation and Recovery Act, State-characteristic hazardous waste. However, based on the site conditions, we do not recommend further assessment of the site and special mitigation measures are not required at this time.

If you have any questions regarding this matter, please contact Gregory Sena or Gerald Goodman at (626) 458-4923. To provide feedback of our services, please access <http://dpw.lacounty.gov/go/gmedsurvey> to complete a Customer Service Survey.

*GS* GS:GG:dm

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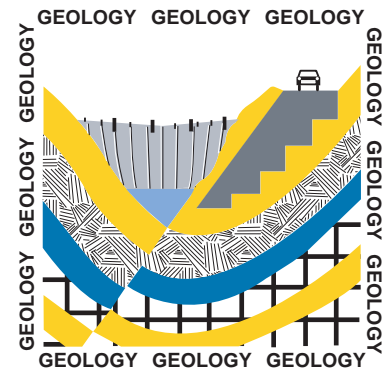
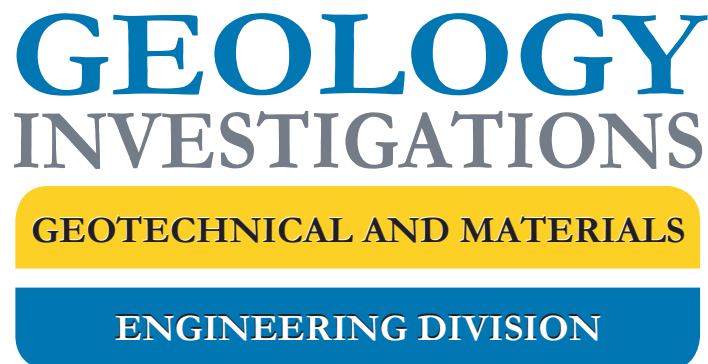
Attach.

cc: Construction (Enriquez)  
Water Resources (Benavides, Bodenchak, Kajbaf, Tremmel)

**LIMITED SUBSURFACE  
ENVIRONMENTAL SITE ASSESSMENT**

**UNITED ROCK PRODUCTS QUARRY NO.3  
1137 MERIDIAN STREET  
IRWINDALE, CALIFORNIA**

**FEBRUARY 2017**



**LIMITED SUBSURFACE  
ENVIRONMENTAL SITE ASSESSMENT**

**UNITED ROCK PRODUCTS QUARRY NO. 3  
1137 MERIDIAN STREET  
IRWINDALE, CALIFORNIA**

Prepared for:

Water Resources Division  
County of Los Angeles  
Department of Public Works

Prepared by:

Geotechnical and Materials Engineering Division  
County of Los Angeles  
Department of Public Works

February 21, 2017



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## INTRODUCTION

As requested by the County of Los Angeles Department of Public Works (Public Works) Water Resources Division, during the month of November 2016, Geotechnical and Materials Engineering Division conducted a limited subsurface environmental site assessment of United Rock Products (URP) Quarry No. 3 (subject project) located at 1137 Meridian Street, in the City of Irwindale, California (see Figure 1). The Los Angeles County Flood Control District plans to acquire the subject property, which is currently used by URP for aggregate gravel mining, for permanent use as a sediment placement site for soil materials excavated from Flood Control District properties. Public Works assessed subsurface soils for typical contaminants in locations where historically inert fill materials were reportedly placed.

## OBJECTIVE AND SCOPE OF WORK

In concurrence with contract Special Provisions for County construction projects, subsurface soil sampling activities were completed at the subject project to screen for potential environmental constituents or compounds of concern (COCs) that may typically be present in demolition-derived, inert fill materials. Leighton Consulting, Inc. (Leighton), the project consultant who prepared the November 1, 2016, Draft Phase I Environmental Site Assessment for the subject property, reviewed historical regulatory documents that identified three potential inert fill areas that were previously used for possible slope stabilization purposes and/or general infilling inside the quarry. According to Leighton, fills were imported during 1973 and 1974 in the northeast portion of the quarry, during 1986 and 1987 adjacent to the western margin of Buena Vista Street inside the quarry, and in 2014, per a URP representation, inside the northern, bottom portion of the quarry (see Figure 2).

As part of the assessment of subsurface soils for typical contaminants, Public Works directed the drilling of three sonic soil borings by Cascade Drilling inside the fill areas to collect and log soils to the depth of anticipated native alluvial materials. Based on preliminary information provided by Leighton and our review of publically available local and regional geologic information summarized in Appendix A, bedrock was not anticipated to be encountered in the soil borings. Given the estimated volume of imported fill at the subject project described by Leighton, six soil borings were originally anticipated to be drilled to a depth of 50 feet each (two soil borings in each fill area with a total boring linear footage of 300 feet). However, the project scope of work to ascertain the depth of fill was modified during the assessment to three soil borings, since two drilled soil borings had reached depths greater than 120 feet each in order to reach native alluvial materials.



Water or soil vapor sampling was not performed as a component of this assessment, as the depth to groundwater was in excess of 200 feet below the surface grade and there was no identified local source for soil vapor emissions (Appendix A and Leighton Consulting, 2016). Furthermore, groundwater contamination was not identified as a potential concern, and groundwater sampling was not required as part of this assessment.

Soil samples were collected at 5-foot intervals to the total depth of each soil boring. As shown on Figure 3, Borings B-1, B-2, and B-3 were drilled to the approximate depths of 140, 127, and 36 feet each, respectively (a total project boring footage of 303 feet). Borings B-1 and B-2 were drilled in the 1970s and 1980s emplaced fills, and Boring B-3 was drilled in the 2014 emplaced fill.

Within 24-hours of collection and under chain-of-custody protocol, soil samples were submitted to American Environmental Testing Laboratory, Inc., a State-certified laboratory located in Burbank, California, and analyzed for the following:

- Volatile and Semi-Volatile Organic Compounds
- Pesticides and Herbicides
- Title 22 Metals, and where applicable: Soluble Threshold Limit Concentrations and Toxicity Characteristic Leaching Procedure for lead and/or copper.
- Total Petroleum Hydrocarbons
- Polychlorinated Biphenyls
- Polynuclear Aromatic Hydrocarbons
- Asbestos

As a standard of practice for assessing test results, State and Federal site review guidelines and disposal regulations were employed, using industrial site screening values when available, to determine if any of the tested soil posed an environmental condition. As a profiling guidance tool, laboratory results were compared to applicable Title 22 California Code of Regulations (Title 22 CCRs levels), United States Environmental Protection Agency (EPA) Region 9 Regional Screening Levels (RSLs), and California Department of Toxic Substances Control (DTSC) Human Health Risk Assessment (HHRA) HERO Note No. 3 (HERO) Modified Soil Screening Levels.



While RSLs and HERO values are used as human-health and ecological-based guidelines for characterizing sites and are not binding regulatory limits, they provide a framework for evaluating potential risk on a site-specific basis in relation to the existing site conditions, history, and land use. Allowances for exceeding regulations or regulatory limits are assessed on a case by case basis for constituents or compounds of concern, collectively or individually. Other guidance documents developed by the DTSC for sites in Los Angeles County and by the State Water Resources Control Board were also applied to our evaluation since they provided an additional approach for assessing specific test results.

## RESULTS AND FINDINGS

As presented in Appendix B (Analytical Laboratory Reports), COCs from each laboratory test, except organophosphorous compounds (a group of pesticides), were detected at trace to low concentrations in the soil samples analyzed. Specifically, the results of the detected COCs indicated the following:

- Volatile organic compounds, chlorinated and organophosphorus pesticides, chlorinated herbicides, and metals (except lead) were all below the applicable regulatory guidelines for an industrial site or statutes for specialized disposition.
- Except for one compound from each group, polychlorinated biphenyls and polynuclear aromatic compounds were below the applicable regulatory guidelines for an industrial site or statutes for specialized disposition.
- Polychlorinated biphenyls and polynuclear aromatic compounds that exceeded their respective RSLs, were within one order of magnitude of the regulatory guideline limit, appeared to be isolated occurrences, and were not considered to be a significant health concern.
- Lead was detected in two soil samples (from Boring B-2 at depths of 20 and 80 feet) at concentrations that are classified as non-Resource Conservation and Recovery Act (RCRA), State-characteristic hazardous waste.
- The asbestos mineral chrysotile was detected at greater than 1 percent by weight in one of the crushed soil samples tested (from Boring B-2 at 100 feet); chrysotile is the most common encountered type of asbestos.



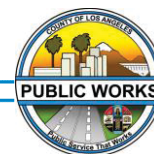


- Detected total petroleum hydrocarbon concentrations were found to be within acceptable soil reuse guidelines for petroleum hydrocarbon-impacted sites. Based on the current groundwater depth which is 75 feet below the deepest detectable petroleum hydrocarbon concentration (Boring B-1 at 125 feet), there is a low threat to groundwater as the analyses indicate that the detections are predominantly heavy-ended (long-range) petroleum hydrocarbon compounds which are less mobile in soils. The origin of the petroleum hydrocarbon concentrations may be from asphaltic materials observed in the fill soils.

The soils encountered on site (Boring Logs provided in Appendix C) indicated fill soils overlain on natural alluvial-derived materials. Generally, fill soils in Borings B-1 and B-2 were encountered to depths of approximately 129 and 120 feet below the ground surface, respectively, and consisted of clay or silt with sand to gravel, or sand with clay to silt and gravel. Inert demolition materials including glass, brick, concrete (predominantly without rebar), disaggregated asphalt, and traces of metal and plastic were identified in the fill soils observed in both Borings B-1 and B-2. Fill soils encountered in Boring B-3 drilled inside the quarry extended to a depth of 29 feet, further underlain by alluvium to the depth of the boring of 36 feet. Fill soils in Boring B-3 consisted of silt with sand; and as compared to Borings B-1 and B-2, contained only traces of inert demolition materials (clay fragments). The alluvium observed below the fill materials in Borings B-2 and B-3 consisted of sand with silt to gravel, and in Boring B-1, consisted of lacustrine-derived, finely laminated, silt and sand.

## CONCLUSIONS

The limited subsurface environmental site assessment sampled and analyzed soils for contaminants of concern only in locations where historical, inert fill materials were reportedly placed. The primary identified contamination consisted of two lead-impacted non-RCRA characteristic soils found in Boring B-2 that appear to be isolated detections, are 100 feet above the current groundwater level, will remain at depth below the quarry rim, and do not present an exposure pathway to the surface. Specifically if excavated, the lead-impacted non-RCRA soil would require disposal at a regulated facility; however, we believe that it does not require remedial activities at this time due to the reasons outlined above. Based on the findings, which utilized applicable regulations and guidelines, along with the general-practice assumption that the soils tested are representative of their respective locations, we find that the soils tested are not significantly impacted.



## RECOMMENDATIONS

Based on the conclusions of this assessment, we do not recommend further assessment of the subject project. Although lead-impacted non-RCRA soils were identified, we believe that the risk to human health and the environment is insignificant, and special mitigation measures are not required at this time.

## SIGNATURE

All work was completed by and/or under the direct supervision of the undersigned licensed California Professional Geologists. Any questions regarding this report should be directed to Gerald Goodman or Gregory Sena at (626) 458-4923.

Prepared by:

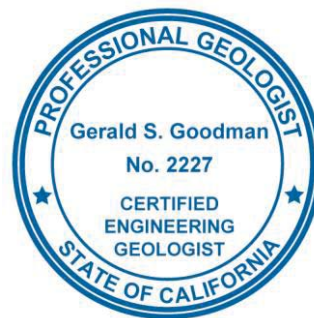
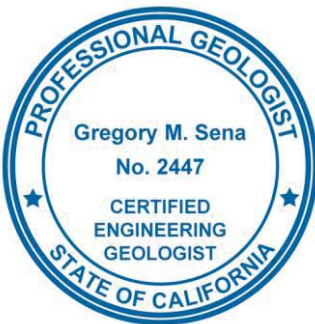
Reviewed and Submitted by:



Gregory Sena  
Engineering Geologist  
P.G. 8196, C.E.G. 2447



Gerald Goodman  
Supervising Engineering Geologist II  
P.G. 7094, C.E.G. 2227, C.HG. 777



GS:dm

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## REFERENCES

- California Code of Regulations; Title 22, Division 4.5, Chapter 11, Article 3, §66261.24; On-line (Westlaw®) Resource; as of January 2017.
- California Department of Toxic Substances Control, Human and Ecological Risk Office (HERO); "Human Health Risk Assessment (HHRA) HERO Note Number: 3, DTSC-Modified Screening Levels (DTSC-SLs)," June 2016.
- California Department of Toxic Substances Control; "Information Advisory, Clean Imported Fill Material," October 2001.
- California Regional Water Quality Control Board, Los Angeles Region, Underground Storage Tank Program; "General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites, Table 1: Analytical Requirements for Petroleum Hydrocarbon Impacted Sites," September 2006.
- California Regional Water Quality Control Board, San Francisco Bay Region; "Draft, Technical Reference Document, Characterization and Reuse of Petroleum Hydrocarbon Impacted Soil as Inert Waste," October 26, 2006.
- Dibblee, T.W., Jr.; "Geologic Map of the El Monte and Baldwin Park Quadrangles, Los Angeles County, California," Dibblee Geological Foundation Map DF-69. First Printing 1999, Second Printing 2009.
- Dibblee, T.W., Jr.; "Geologic Map of the Mount Wilson and Azusa Quadrangles, Los Angeles County, California," Dibblee Geological Foundation Map DF-67. First Printing 1998, Second Printing 2010.
- Leighton Consulting, Inc., "Draft Phase I Environmental Site Assessment Report, United Rock Products, Quarry No. 3, 1137 Meridian Street, Irwindale California, 91706," dated November 1, 2016, Project No. 603287.052.
- State of California, California Natural Resources Agency, Department of Water Resources; "Bulletin No.104-2, Planned Utilization of Ground Water Basins, San Gabriel Valley, Appendix A: Geohydrology;" March 1966.



## REFERENCES CONT.

State of California, Department of Water Resources; Statewide Planning, California Groundwater-Bulletin 118, Update 2003, "South Coast Hydrologic Region, San Gabriel Valley Groundwater Basin; February 27, 2004;"  
On-Line: <http://www.groundwater.water.ca.gov>; Researched January 2017.

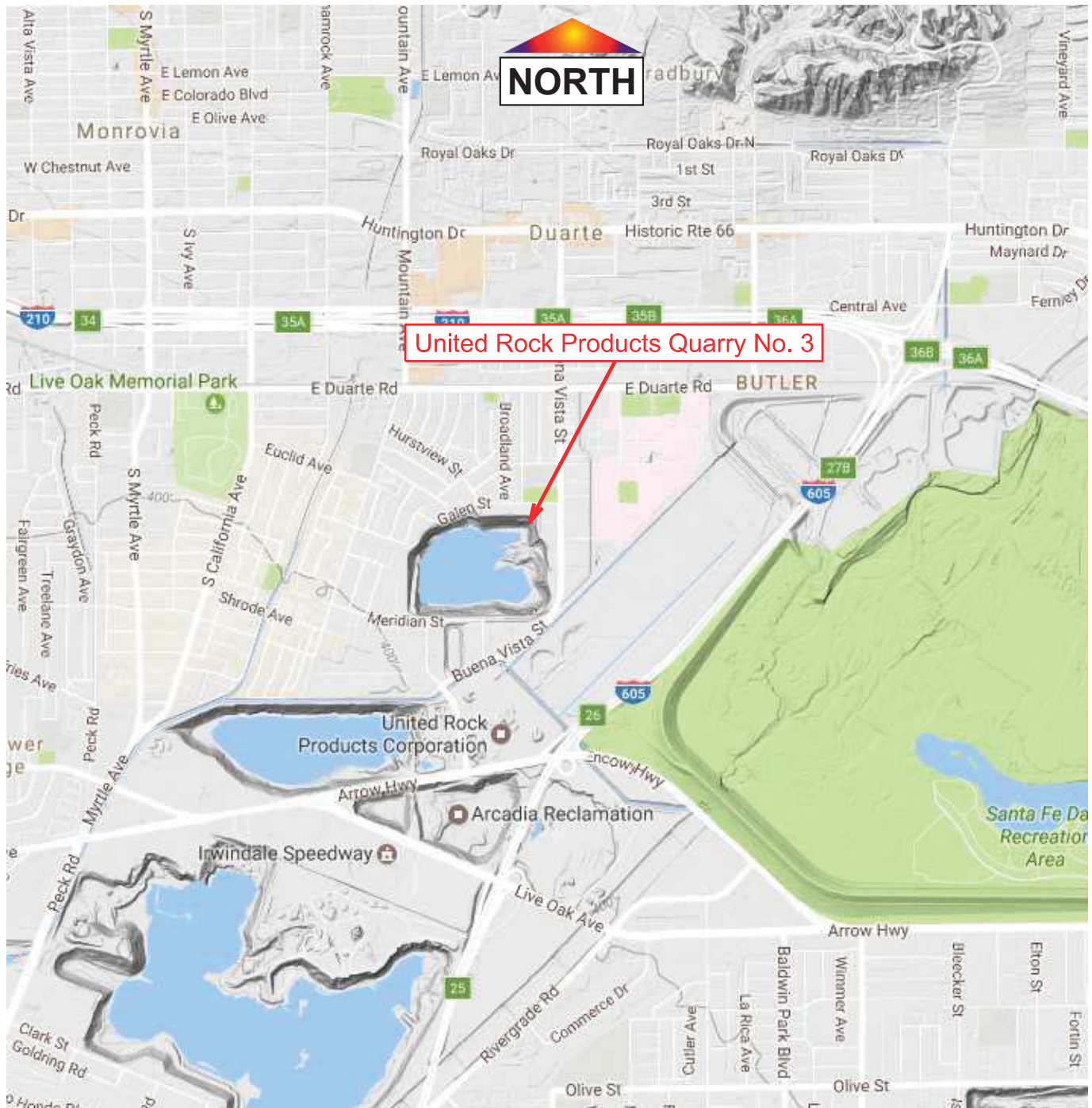
U.S. Department of the Interior, U.S. Geological Survey; Baldwin Park 7.5-Minute Topographic Quadrangle; 1966, photorevised 1981.

U.S. Department of the Interior, U.S. Geological Survey; El Monte 7.5-Minute Topographic Quadrangle; 1966, photorevised 1972.

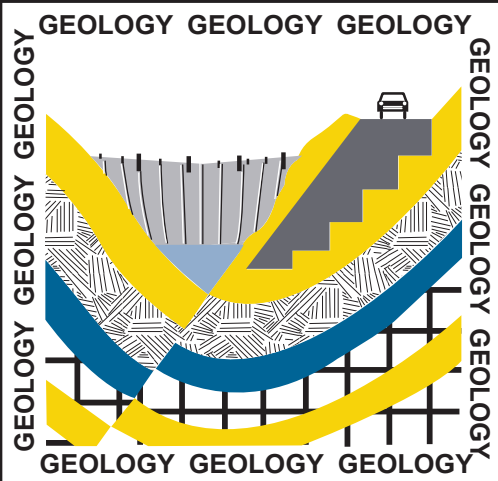
U.S. Environmental Protection Agency, Region 9; "Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) May 2016," May 2016.



# FIGURES



Google Map



COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 Geotechnical and Materials Engineering Division

Geology Investigations

VICINITY MAP  
 LIMITED SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT  
 UNITED ROCK PRODUCTS QUARRY NO.3  
 1137 MERIDIAN STREET  
 IRWINDALE, CA 91706

PREPARED BY:  
 Eddie Ly

DATE:  
 FEBRUARY 2017

SCALE:  
 NONE

FIGURE 1

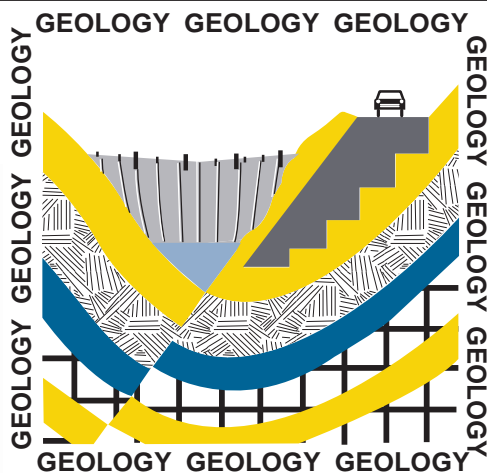


Google Earth



**LEGEND:**

Polygon Indicates Fill Areas (Leighton, 2016)



COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
Geotechnical and Materials Engineering Division

Geology Investigations

HISTORICAL INERT FILL AREAS  
LIMITED SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT  
UNITED ROCK PRODUCTS QUARRY NO.3  
1137 MERIDIAN STREET  
IRWINDALE, CA 91706

PREPARED BY:  
Eddie Ly

DATE:  
FEBRUARY 2017

SCALE:  
NONE

FIGURE 2

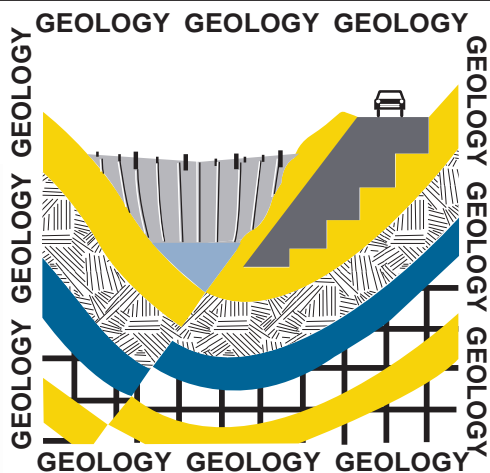


Google Earth



**LEGEND:**

 B-1 Soil Boring Locations



COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
Geotechnical and Materials Engineering Division

Geology Investigations

BORING LOCATION PLAN  
LIMITED SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT  
UNITED ROCK PRODUCTS QUARRY NO.3  
1137 MERIDIAN STREET  
IRWINDALE, CA 91706

PREPARED BY:  
Eddie Ly

DATE:  
FEBRUARY 2017

SCALE:  
NONE

FIGURE 3



# **APPENDIX A**

## GENERAL GEOLOGIC AND HYDROGEOLOGIC SETTING

Locally the subject project exists within the central portion of the San Gabriel Valley, an elongated, irregularly-shaped, east-west trending, and structurally controlled sedimentary basin situated in the east County (CDWR 1966 and 2004). The San Gabriel Valley is bounded to the north by the San Gabriel Mountains and on the west, south, and southeast by a group of crescent-shaped hills and geographically includes the hydrogeologic San Gabriel Valley Groundwater Basin. Regionally, the San Gabriel Valley resides within the northern portion of the California Peninsular Range Geomorphic Province.

Geologic cross sections for the San Gabriel Valley indicate sediments beneath the project site are approximately 1,600 feet in thickness (CDWR, 1966). Sedimentary materials are derived from the granitic rocks of the San Gabriel Mountains and consist of Recent Holocene-age alluvium near the surface, underlain by older alluvium and bedrock at greater depths. Groundwater in the San Gabriel Valley Groundwater Basin is recharged from natural inflow from surface and adjacent highlands, groundwater, and recharge basins. Based on the water surface elevation reported to be exposed inside the URP aggregate quarry in 2014 by AMEC (2014), the depth to groundwater was anticipated to be greater than 200 feet below surface grade of the investigative drilling locations performed on the rim of the quarry.



## **APPENDIX B**



## 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

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 117  
Date Received 11/08/2016  
Date Reported 11/10/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

Project ID: EF02414001  
Project Name: CCRP PIT #3  
Site: Irwindale, CA

Enclosed please find results of analyses of 16 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 3 pages

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
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## CHAIN OF CUSTODY RECORD

No 76505

85193

Page 1 of 2

COMPANY <b>LACODPW</b>	PROJECT MANAGER <b>GREGORY SENA</b>
COMPANY ADDRESS <b>906 S. FREMONT AVE. ALHAMBRA, CA 91803</b>	PHONE <b>626.458.4923</b>
PROJECT NAME <b>URP PIT #3</b>	FAX <b>626.458.4913</b>
SITE NAME AND ADDRESS <b>URP PIT #3</b>	PROJECT # <b>EF-02414001</b>
	PO # <b>17CN-70038</b>

AETL JOB No.	<b>85193</b>
<b>ANALYSIS REQUESTED</b>	
VOCs	X
TINER & METALS	X
TPH-CC	X
SVECS	X
CHS	X
OCPS	X
OP'S	X
APRESOS	X
OCU/R-931	X
TEST INSTRUCTIONS & COMMENTS	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOCs	TINER & METALS	TPH-CC	SVECS	CHS	OCPS	OP'S	APRESOS	OCU/R-931
B1-1	85193.01	11/07/16	12:10	S	5/V	ICE/V	X	X	X	X	X	X	X	X	X
B1-2	85193.02		12:15												
B1-3	85193.03		12:30												
B1-4	85193.04		12:45												
B1-5	85193.05		12:50												
B1-6	85193.06		13:20												
B1-7	85193.07		13:25												
B1-8	85193.08		13:50												
B1-9	85193.09		13:55												
B1-10	85193.10		14:05												
B1-11	85193.11		14:10												
B1-12	85193.12		14:15												
B1-13	85193.13		14:55												
B1-14	85193.14		15:00												
B1-15	85193.15		15:40												

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				<b>RELINQUISHED BY SAMPLER:</b> 1.		<b>RELINQUISHED BY:</b> 2.		<b>RELINQUISHED BY:</b> 3.	
TOTAL NUMBER OF CONTAINERS	75	PROPERLY COOLED	Y/N/NA	Signature:	[Signature]	Signature:	/	Signature:	[Signature]
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Printed Name:	GREGORY SENA	Printed Name:	/	Printed Name:	[Signature]
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Date:	11/8/16	Date:	/	Date:	11/08/16
<b>TURN AROUND TIME</b>				<b>RECEIVED BY:</b> 1.		<b>RECEIVED BY:</b> 2.		<b>RECEIVED BY LABORATORY:</b> 3.	
<input type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input checked="" type="checkbox"/> 2 DAYS	Signature:	[Signature]	Signature:	/	Signature:	[Signature]
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> 3 DAYS	Printed Name:	GREGORY SENA	Printed Name:	/	Printed Name:	Sean Claude
				Date:	11/8/16	Date:	/	Date:	11/58/15

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



# American Environmental Testing Laboratory Inc.

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## CHAIN OF CUSTODY RECORD

No 93474

AETL JOB No. 85193

Page 2 of 2

COMPANY: LACDDPW PROJECT MANAGER: CREGORY SENA  
 COMPANY ADDRESS: 900 S. FREMONT AVE. PHONE: 626.458.4823  
 ALTAMONTE, CA 91803 FAX: 626.458.4813  
 PROJECT NAME: WRP PIT #3 PROJECT #: FF02414001  
 SITE NAME AND ADDRESS: WRP PIT #3 PO #: 17CN-700328

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	SVOCs	CHL	OCPS	OPS	ASBESTOS	PCB	PAHs	LEAD	CADMIUM	
X	X	X	X	X	X	X	X	X	X	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B1-16	85193-16	11/07/16	15:45	S	SVU	ICEIN

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				<b>RELINQUISHED BY SAMPLER:</b> 1. Signature: [Signature] Printed Name: CREGORY SENA Date: 11/8/16 Time: 09:10		<b>RELINQUISHED BY:</b> 2. Signature: [Signature] Printed Name: [Signature] Date: [Signature] Time: [Signature]		<b>RELINQUISHED BY:</b> 3. Signature: [Signature] Printed Name: C. PANILAN Date: 11/08/16 Time: 1415	
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	<b>RECEIVED BY:</b> 1. Signature: [Signature] Printed Name: CAROLAN RICHARDS Date: 11/8/16 Time: 0910		<b>RECEIVED BY:</b> 2. Signature: [Signature] Printed Name: [Signature] Date: [Signature] Time: [Signature]	
<b>TURN AROUND TIME</b>				<b>DATA DELIVERABLE REQUIRED</b>					
<input type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)



# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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Page: 1 A

## Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100

Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/08/2016  
Date Reported 11/10/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 16 samples with the following specification on 11/08/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85193.01	B1-1	11/07/2016	Soil	5
85193.02	B1-2	11/07/2016	Soil	5
85193.03	B1-3	11/07/2016	Soil	5
85193.04	B1-4	11/07/2016	Soil	5
85193.05	B1-5	11/07/2016	Soil	5
85193.06	B1-6	11/07/2016	Soil	5
85193.07	B1-7	11/07/2016	Soil	5
85193.08	B1-8	11/07/2016	Soil	5
85193.09	B1-9	11/07/2016	Soil	5
85193.10	B1-10	11/07/2016	Soil	5
85193.11	B1-11	11/07/2016	Soil	5
85193.12	B1-12	11/07/2016	Soil	5
85193.13	B1-13	11/07/2016	Soil	5
85193.14	B1-14	11/07/2016	Soil	5
85193.15	B1-15	11/07/2016	Soil	5
85193.16	B1-16	11/07/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/10/2016	3	Rush	mg/Kg
(8081A)	11/10/2016	3	Rush	ug/Kg
(8141A)	11/10/2016	3	Rush	ug/Kg
(8151A)	11/10/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/10/2016	3	Rush	ug/Kg
(8270C)	11/10/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/10/2016	3	Rush	mg/Kg
(M8015G)	11/10/2016	3	Rush	mg/Kg

Continued



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Page: 1 B

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/08/2016  
Date Reported 11/10/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

85193.16	B1-16	11/07/2016	Soil	5
Method ^ Submethod	Req Date	Priority	TAT	Units
EPA-600R-93/116	11/10/2016	3	Rush	Percent

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

Our Lab I.D.			Method Blank	85193.01		
Client Sample I.D.				B1-1		
Date Sampled				11/07/2016		
Date Prepared			11/08/2016	11/07/2016		
Preparation Method			5030	5035A		
Date Analyzed			11/08/2016	11/08/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

Our Lab I.D.		Method Blank	85193.01			
Client Sample I.D.			B1-1			
Date Sampled			11/07/2016			
Date Prepared		11/08/2016	11/07/2016			
Preparation Method		5030	5035A			
Date Analyzed		11/08/2016	11/08/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

Our Lab I.D.		Method Blank	85193.01			
Client Sample I.D.			B1-1			
Date Sampled			11/07/2016			
Date Prepared		11/08/2016	11/07/2016			
Preparation Method		5030	5035A			
Date Analyzed		11/08/2016	11/08/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
tert-Butyl alcohol (TBA)	20	500	ND	ND		
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND		
Ethyl alcohol (Ethanol)	100	500	ND	ND		
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND		
Our Lab I.D.		Method Blank	85193.01			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	98.9	95.7			
Dibromofluoromethane	75-125	121	122			
Toluene-d8	75-125	99.0	96.0			



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## ANALYTICAL RESULTS

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GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			Method Blank	85193.02		
Client Sample I.D.				B1-2		
Date Sampled				11/07/2016		
Date Prepared			11/10/2016	11/07/2016		
Preparation Method			5030	5035A		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.		Method Blank	85193.02			
Client Sample I.D.			B1-2			
Date Sampled			11/07/2016			
Date Prepared		11/10/2016	11/07/2016			
Preparation Method		5030	5035A			
Date Analyzed		11/10/2016	11/10/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.		Method Blank	85193.02			
Client Sample I.D.			B1-2			
Date Sampled			11/07/2016			
Date Prepared		11/10/2016	11/07/2016			
Preparation Method		5030	5035A			
Date Analyzed		11/10/2016	11/10/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
tert-Butyl alcohol (TBA)	20	500	ND	ND		
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND		
Ethyl alcohol (Ethanol)	100	500	ND	ND		
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND		
Our Lab I.D.		Method Blank	85193.02			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	103	102			
Dibromofluoromethane	75-125	112	80.1			
Toluene-d8	75-125	112	116			



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## ANALYTICAL RESULTS

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 8

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

Our Lab I.D.			85193.03			
Client Sample I.D.			B1-3			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/08/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

Our Lab I.D.			85193.03			
Client Sample I.D.			B1-3			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/08/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			





# American Environmental Testing Laboratory Inc.

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

## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1

<b>Our Lab I.D.</b>			85193.03			
Client Sample I.D.			B1-3			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/08/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85193.03			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		98.3			
Dibromofluoromethane	75-125		122			
Toluene-d8	75-125		94.5			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.		Method Blank	85193.04	85193.05	85193.06	85193.07	
Client Sample I.D.			B1-4	B1-5	B1-6	B1-7	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.		Method Blank	85193.04	85193.05	85193.06	85193.07	
Client Sample I.D.			B1-4	B1-5	B1-6	B1-7	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.		Method Blank	85193.04	85193.05	85193.06	85193.07	
Client Sample I.D.			B1-4	B1-5	B1-6	B1-7	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85193.04	85193.05	85193.06	85193.07	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	96.4	96.2	94.9	93.6	96.3	
Dibromofluoromethane	75-125	121	122	119	123	119	
Toluene-d8	75-125	95.7	94.6	94.8	92.8	95.4	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.08			
Client Sample I.D.			B1-8			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.08			
Client Sample I.D.			B1-8			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

<b>Our Lab I.D.</b>			85193.08			
Client Sample I.D.			B1-8			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85193.08			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		96.0			
Dibromofluoromethane	75-125		117			
Toluene-d8	75-125		91.7			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 17

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			85193.09			
Client Sample I.D.			B1-9			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			85193.09			
Client Sample I.D.			B1-9			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

<b>Our Lab I.D.</b>			85193.09			
Client Sample I.D.			B1-9			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85193.09			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		107			
Dibromofluoromethane	75-125		119			
Toluene-d8	75-125		118			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	1.34J
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	1.33J
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		93.5	97.9	98.8	105	103
Dibromofluoromethane	75-125		124	125	114	124	122
Toluene-d8	75-125		93.5	95.5	94.4	95.6	93.8



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 23

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.15			
Client Sample I.D.			B1-15			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

Our Lab I.D.			85193.15			
Client Sample I.D.			B1-15			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2

<b>Our Lab I.D.</b>			85193.15			
Client Sample I.D.			B1-15			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85193.15			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		95.2			
Dibromofluoromethane	75-125		122			
Toluene-d8	75-125		93.5			





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## ANALYTICAL RESULTS

### Ordered By

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GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 26

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

<b>Our Lab I.D.</b>			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/07/2016			
Preparation Method			5035A			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85193.16			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		110			
Dibromofluoromethane	75-125		125			
Toluene-d8	75-125		116			



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Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B1

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Client Sample I.D.			B1-1	B1-2	B1-3	B1-4	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/09/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
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
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	98.0	101	99.4	98.8	93.6	



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B1

Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Client Sample I.D.			B1-5	B1-6	B1-7	B1-8	B1-9
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		82.6	89.8	97.6	98.4	92.6



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B1

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		99.2	84.2	98.0	84.6	87.4



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B1

<b>Our Lab I.D.</b>			<b>85193.15</b>	<b>85193.16</b>			
Client Sample I.D.			B1-15	B1-16			
Date Sampled			11/07/2016	11/07/2016			
Date Prepared			11/07/2016	11/07/2016			
Preparation Method			5035A	5035A			
Date Analyzed			11/09/2016	11/09/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
<b>Our Lab I.D.</b>			<b>85193.15</b>	<b>85193.16</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>			
Bromofluorobenzene	75-125		100	98.6			



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 110816DB2

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Client Sample I.D.			B1-1	B1-2	B1-3	B1-4	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
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
TPH as Diesel (C13-C22)	1.0	5.0	ND	10.5	10.9	ND	13.5
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	22.5	ND	35.2
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	10.5	33.4	ND	48.7
Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	93.4	91.4	87.4	88.6	87.7	





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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 110816DB2

Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Client Sample I.D.			B1-5	B1-6	B1-7	B1-8	B1-9
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
TPH as Diesel (C13-C22)	1.0	5.0	53.4	8.85	9.35	5.89	106
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	289	77.3	38.4	26.5	491
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	342	86.2	47.8	32.4	597
Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		93.2	89.3	90.0	93.0	93.2



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 110816DB2

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	27.9	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	12.4	7.02	24.3	203	10.3
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	12.4	7.02	24.3	231	10.3
Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		89.5	91.5	92.0	96.2	96.7



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 110816DB2

Our Lab I.D.			85193.15	85193.16		
Client Sample I.D.			B1-15	B1-16		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	30.5		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	262		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	293		
Our Lab I.D.			85193.15	85193.16		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		91.5	94.6		



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
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
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Client Sample I.D.			B1-1	B1-2	B1-3	B1-4	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
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
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	97.4	0.0 S6	0.0 S6	1.8 S6	2.3 S6	
2-Fluorobiphenyl	30-115	100	97.6	94.4	97.2	99.6	
Nitrobenzene-d5	23-120	94.8	88.0	86.4	92.8	86.0	
Phenol-d6	21-113	88.4	3.3 S6	14.0 S6	19.8 S6	28.8	
p-Terphenyl-D14	18-137	115	110	96.4	100	105	
2,4,6-Tribromophenol	19-122	99.8	0.0 S6	0.0 S6	0.0 S6	0.0 S6	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.	85193.05		
Client Sample I.D.	B1-5		
Date Sampled	11/07/2016		
Date Prepared	11/08/2016		
Preparation Method	3550B		
Date Analyzed	11/10/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.05			
Client Sample I.D.			B1-5			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			4			
Analytes	MDL	PQL	Results			
Dibenzofuran	1.00	2.00	ND			
1,2-Dichlorobenzene	1.00	2.00	ND			
1,3-Dichlorobenzene	1.00	2.00	ND			
1,4-Dichlorobenzene	1.00	2.00	ND			
3,3'-Dichlorobenzidine	1.00	2.00	ND			
2,4-Dichlorophenol	1.00	2.00	ND			
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND			
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND			
2,4-Dimethylphenol	1.00	2.00	ND			
4,6-Dinitro-2-methylphenol	1.00	2.00	ND			
2,4-Dinitrophenol	1.00	2.00	ND			
2,4-Dinitrotoluene	1.00	2.00	ND			
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND			
Fluoranthene	1.00	2.00	ND			
Fluorene	1.00	2.00	ND			
Hexachlorobenzene	1.00	2.00	ND			
Hexachlorobutadiene	1.00	2.00	ND			
Hexachlorocyclopentadiene	1.00	2.00	ND			
Hexachloroethane	1.00	2.00	ND			
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND			
Isophorone	1.00	2.00	ND			
2-Methylnaphthalene	1.00	2.00	ND			
4-Methylphenol	1.00	2.00	ND			
2-Methylphenol (2-Cresol)	1.00	2.00	ND			
3-Methylphenol (3-Cresol)	1.00	2.00	ND			
N-Nitroso-Di-n-propylamine	1.00	2.00	ND			
Naphthalene	1.00	2.00	ND			
2-Nitroaniline	1.00	2.00	ND			
3-Nitroaniline	1.00	2.00	ND			
4-Nitroaniline	1.00	2.00	ND			
Nitrobenzene (NB)	1.00	2.00	ND			
4-Nitrophenol	1.00	2.00	ND			
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND			
N-nitrosodiphenylamine	1.00	2.00	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

<b>Our Lab I.D.</b>			85193.05				
Client Sample I.D.			B1-5				
Date Sampled			11/07/2016				
Date Prepared			11/08/2016				
Preparation Method			3550B				
Date Analyzed			11/10/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85193.05: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85193.05				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		10.6 S6				
2-Fluorobiphenyl	30-115		84.0				
Nitrobenzene-d5	23-120		72.0				
Phenol-d6	21-113		55.0				
p-Terphenyl-D14	18-137		99.6				
2,4,6-Tribromophenol	19-122		7.2 S6				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 43

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.06	85193.07	85193.08	85193.09	85193.10
Client Sample I.D.			B1-6	B1-7	B1-8	B1-9	B1-10
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.06	85193.07	85193.08	85193.09	85193.10
Client Sample I.D.			B1-6	B1-7	B1-8	B1-9	B1-10
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.06	85193.07	85193.08	85193.09	85193.10
Client Sample I.D.			B1-6	B1-7	B1-8	B1-9	B1-10
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			85193.06	85193.07	85193.08	85193.09	85193.10
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121		0.0 S6	2.5 S6	0.0 S6	30.6	39.6
2-Fluorobiphenyl	30-115		76.4	90.0	92.4	72.0	91.2
Nitrobenzene-d5	23-120		65.2	80.0	84.0	56.8	86.0
Phenol-d6	21-113		0.0 S6	12.5 S6	0.0 S6	13.3 S6	68.8
p-Terphenyl-D14	18-137		81.6	107	116	82.4	116
2,4,6-Tribromophenol	19-122		1.1 S6	0.0 S6	0.0 S6	31.6	11.6 S6



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.11	85193.12	85193.13		
Client Sample I.D.			B1-11	B1-12	B1-13		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			4	4	4		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	1.00	2.00	ND	ND	ND		
Acenaphthylene	1.00	2.00	ND	ND	ND		
Anthracene	1.00	2.00	ND	ND	ND		
Azobenzene	1.00	2.00	ND	ND	ND		
Benzidine	1.00	2.00	ND	ND	ND		
Benzo(a)anthracene	1.00	2.00	ND	ND	ND		
Benzo(a)pyrene	1.00	2.00	ND	ND	ND		
Benzo(b)fluoranthene	1.00	2.00	ND	ND	ND		
Benzo(g,h,i)perylene	1.00	2.00	ND	ND	ND		
Benzo(k)fluoranthene	1.00	2.00	ND	ND	ND		
Benzoic Acid	1.00	2.00	ND	ND	ND		
Benzyl Alcohol	1.00	2.00	ND	ND	ND		
Bis(2-Chloroethoxy)methane	1.00	2.00	ND	ND	ND		
Bis(2-Chloroethyl)ether	1.00	2.00	ND	ND	ND		
Bis(2-chloroisopropyl) ether	1.00	2.00	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND	ND	ND		
4-Bromophenyl phenyl ether	1.00	2.00	ND	ND	ND		
Butyl benzyl phthalate	1.00	2.00	ND	ND	ND		
4-Chloro-3-methylphenol	1.00	2.00	ND	ND	ND		
4-Chloroaniline	1.00	2.00	ND	ND	ND		
2-Chloronaphthalene	1.00	2.00	ND	ND	ND		
2-Chlorophenol	1.00	2.00	ND	ND	ND		
4-Chlorophenyl phenyl ether	1.00	2.00	ND	ND	ND		
Chrysene	1.00	2.00	ND	ND	ND		
Di-n-butyl phthalate	1.00	2.00	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND	ND	ND		
Dibenzo(a,h)anthracene	1.00	2.00	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.11	85193.12	85193.13		
Client Sample I.D.			B1-11	B1-12	B1-13		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			4	4	4		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	1.00	2.00	ND	ND	ND		
1,2-Dichlorobenzene	1.00	2.00	ND	ND	ND		
1,3-Dichlorobenzene	1.00	2.00	ND	ND	ND		
1,4-Dichlorobenzene	1.00	2.00	ND	ND	ND		
3,3'-Dichlorobenzidine	1.00	2.00	ND	ND	ND		
2,4-Dichlorophenol	1.00	2.00	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND	ND	ND		
2,4-Dimethylphenol	1.00	2.00	ND	ND	ND		
4,6-Dinitro-2-methylphenol	1.00	2.00	ND	ND	ND		
2,4-Dinitrophenol	1.00	2.00	ND	ND	ND		
2,4-Dinitrotoluene	1.00	2.00	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND	ND	ND		
Fluoranthene	1.00	2.00	ND	ND	ND		
Fluorene	1.00	2.00	ND	ND	ND		
Hexachlorobenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene	1.00	2.00	ND	ND	ND		
Hexachlorocyclopentadiene	1.00	2.00	ND	ND	ND		
Hexachloroethane	1.00	2.00	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND	ND	ND		
Isophorone	1.00	2.00	ND	ND	ND		
2-Methylnaphthalene	1.00	2.00	ND	ND	ND		
4-Methylphenol	1.00	2.00	ND	ND	ND		
2-Methylphenol (2-Cresol)	1.00	2.00	ND	ND	ND		
3-Methylphenol (3-Cresol)	1.00	2.00	ND	ND	ND		
N-Nitroso-Di-n-propylamine	1.00	2.00	ND	ND	ND		
Naphthalene	1.00	2.00	ND	ND	ND		
2-Nitroaniline	1.00	2.00	ND	ND	ND		
3-Nitroaniline	1.00	2.00	ND	ND	ND		
4-Nitroaniline	1.00	2.00	ND	ND	ND		
Nitrobenzene (NB)	1.00	2.00	ND	ND	ND		
4-Nitrophenol	1.00	2.00	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND	ND	ND		
N-nitrosodiphenylamine	1.00	2.00	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.		85193.11	85193.12	85193.13		
Client Sample I.D.		B1-11	B1-12	B1-13		
Date Sampled		11/07/2016	11/07/2016	11/07/2016		
Date Prepared		11/08/2016	11/08/2016	11/08/2016		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		11/10/2016	11/10/2016	11/10/2016		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		4	4	4		
Analytes	MDL	PQL	Results	Results	Results	
Pentachlorophenol	1.00	2.00	ND	ND	ND	
Phenanthrene	1.00	2.00	ND	ND	ND	
Phenol	1.00	2.00	ND	ND	ND	
Pyrene	1.00	2.00	ND	ND	ND	
1,2,4-Trichlorobenzene	1.00	2.00	ND	ND	ND	
2,4,5-Trichlorophenol	1.00	2.00	ND	ND	ND	
2,4,6-Trichlorophenol	1.00	2.00	ND	ND	ND	

*Comment(s):*

85193.11: Analyzed under dilution due to matrix interference 85193.12: Analyzed under dilution due to matrix interference 85193.13: Analyzed under dilution due to matrix interference

Our Lab I.D.		85193.11	85193.12	85193.13		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121	69.0	67.6	53.0		
2-Fluorobiphenyl	30-115	88.8	91.2	82.4		
Nitrobenzene-d5	23-120	76.0	77.6	72.8		
Phenol-d6	21-113	61.6	71.0	44.8		
p-Terphenyl-D14	18-137	110	108	103		
2,4,6-Tribromophenol	19-122	82.0	36.4	18.0 S6		



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 49

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.14	85193.15		
Client Sample I.D.			B1-14	B1-15		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			2	2		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.50	1.00	ND	ND		
Acenaphthylene	0.50	1.00	ND	ND		
Anthracene	0.50	1.00	ND	ND		
Azobenzene	0.50	1.00	ND	ND		
Benzidine	0.50	1.00	ND	ND		
Benzo(a)anthracene	0.50	1.00	ND	ND		
Benzo(a)pyrene	0.50	1.00	ND	ND		
Benzo(b)fluoranthene	0.50	1.00	ND	ND		
Benzo(g,h,i)perylene	0.50	1.00	ND	ND		
Benzo(k)fluoranthene	0.50	1.00	ND	ND		
Benzoic Acid	0.50	1.00	ND	ND		
Benzyl Alcohol	0.50	1.00	ND	ND		
Bis(2-Chloroethoxy)methane	0.50	1.00	ND	ND		
Bis(2-Chloroethyl)ether	0.50	1.00	ND	ND		
Bis(2-chloroisopropyl) ether	0.50	1.00	ND	ND		
Bis(2-ethylhexyl) phthalate	0.50	1.00	ND	ND		
4-Bromophenyl phenyl ether	0.50	1.00	ND	ND		
Butyl benzyl phthalate	0.50	1.00	ND	ND		
4-Chloro-3-methylphenol	0.50	1.00	ND	ND		
4-Chloroaniline	0.50	1.00	ND	ND		
2-Chloronaphthalene	0.50	1.00	ND	ND		
2-Chlorophenol	0.50	1.00	ND	ND		
4-Chlorophenyl phenyl ether	0.50	1.00	ND	ND		
Chrysene	0.50	1.00	ND	ND		
Di-n-butyl phthalate	0.50	1.00	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.50	1.00	ND	ND		
Dibenzo(a,h)anthracene	0.50	1.00	ND	ND		





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.			85193.14	85193.15			
Client Sample I.D.			B1-14	B1-15			
Date Sampled			11/07/2016	11/07/2016			
Date Prepared			11/08/2016	11/08/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			2	2			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	0.50	1.00	ND	ND			
1,2-Dichlorobenzene	0.50	1.00	ND	ND			
1,3-Dichlorobenzene	0.50	1.00	ND	ND			
1,4-Dichlorobenzene	0.50	1.00	ND	ND			
3,3'-Dichlorobenzidine	0.50	1.00	ND	ND			
2,4-Dichlorophenol	0.50	1.00	ND	ND			
Diethyl phthalate (Diethyl ester)	0.50	1.00	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.50	1.00	ND	ND			
2,4-Dimethylphenol	0.50	1.00	ND	ND			
4,6-Dinitro-2-methylphenol	0.50	1.00	ND	ND			
2,4-Dinitrophenol	0.50	1.00	ND	ND			
2,4-Dinitrotoluene	0.50	1.00	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.50	1.00	ND	ND			
Fluoranthene	0.50	1.00	ND	ND			
Fluorene	0.50	1.00	ND	ND			
Hexachlorobenzene	0.50	1.00	ND	ND			
Hexachlorobutadiene	0.50	1.00	ND	ND			
Hexachlorocyclopentadiene	0.50	1.00	ND	ND			
Hexachloroethane	0.50	1.00	ND	ND			
Indeno(1,2,3-cd)pyrene	0.50	1.00	ND	ND			
Isophorone	0.50	1.00	ND	ND			
2-Methylnaphthalene	0.50	1.00	ND	ND			
4-Methylphenol	0.50	1.00	ND	ND			
2-Methylphenol (2-Cresol)	0.50	1.00	ND	ND			
3-Methylphenol (3-Cresol)	0.50	1.00	ND	ND			
N-Nitroso-Di-n-propylamine	0.50	1.00	ND	ND			
Naphthalene	0.50	1.00	ND	ND			
2-Nitroaniline	0.50	1.00	ND	ND			
3-Nitroaniline	0.50	1.00	ND	ND			
4-Nitroaniline	0.50	1.00	ND	ND			
Nitrobenzene (NB)	0.50	1.00	ND	ND			
4-Nitrophenol	0.50	1.00	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.50	1.00	ND	ND			
N-nitrosodiphenylamine	0.50	1.00	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.		85193.14	85193.15			
Client Sample I.D.		B1-14	B1-15			
Date Sampled		11/07/2016	11/07/2016			
Date Prepared		11/08/2016	11/08/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/10/2016	11/10/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		2	2			
Analytes	MDL	PQL	Results	Results		
Pentachlorophenol	0.50	1.00	ND	ND		
Phenanthrene	0.50	1.00	ND	ND		
Phenol	0.50	1.00	ND	ND		
Pyrene	0.50	1.00	ND	ND		
1,2,4-Trichlorobenzene	0.50	1.00	ND	ND		
2,4,5-Trichlorophenol	0.50	1.00	ND	ND		
2,4,6-Trichlorophenol	0.50	1.00	ND	ND		

Comment(s):

85193.14: Analyzed under dilution due to matrix interference 85193.15: Analyzed under dilution due to matrix interference

Our Lab I.D.		85193.14	85193.15			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
2-Fluorophenol	25-121	40.4	24.6 S6			
2-Fluorobiphenyl	30-115	78.4	86.0			
Nitrobenzene-d5	23-120	68.8	74.4			
Phenol-d6	21-113	49.4	48.0			
p-Terphenyl-D14	18-137	97.6	104			
2,4,6-Tribromophenol	19-122	6.8 S6	7.0 S6			



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 52

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.	85193.16		
Client Sample I.D.	B1-16		
Date Sampled	11/07/2016		
Date Prepared	11/08/2016		
Preparation Method	3550B		
Date Analyzed	11/10/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND



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

## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

Our Lab I.D.	85193.16		
Client Sample I.D.	B1-16		
Date Sampled	11/07/2016		
Date Prepared	11/08/2016		
Preparation Method	3550B		
Date Analyzed	11/10/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Dibenzofuran	1.00	2.00	ND
1,2-Dichlorobenzene	1.00	2.00	ND
1,3-Dichlorobenzene	1.00	2.00	ND
1,4-Dichlorobenzene	1.00	2.00	ND
3,3'-Dichlorobenzidine	1.00	2.00	ND
2,4-Dichlorophenol	1.00	2.00	ND
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND
2,4-Dimethylphenol	1.00	2.00	ND
4,6-Dinitro-2-methylphenol	1.00	2.00	ND
2,4-Dinitrophenol	1.00	2.00	ND
2,4-Dinitrotoluene	1.00	2.00	ND
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND
Fluoranthene	1.00	2.00	ND
Fluorene	1.00	2.00	ND
Hexachlorobenzene	1.00	2.00	ND
Hexachlorobutadiene	1.00	2.00	ND
Hexachlorocyclopentadiene	1.00	2.00	ND
Hexachloroethane	1.00	2.00	ND
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND
Isophorone	1.00	2.00	ND
2-Methylnaphthalene	1.00	2.00	ND
4-Methylphenol	1.00	2.00	ND
2-Methylphenol (2-Cresol)	1.00	2.00	ND
3-Methylphenol (3-Cresol)	1.00	2.00	ND
N-Nitroso-Di-n-propylamine	1.00	2.00	ND
Naphthalene	1.00	2.00	ND
2-Nitroaniline	1.00	2.00	ND
3-Nitroaniline	1.00	2.00	ND
4-Nitroaniline	1.00	2.00	ND
Nitrobenzene (NB)	1.00	2.00	ND
4-Nitrophenol	1.00	2.00	ND
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND
N-nitrosodiphenylamine	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1

<b>Our Lab I.D.</b>			85193.16				
Client Sample I.D.			B1-16				
Date Sampled			11/07/2016				
Date Prepared			11/08/2016				
Preparation Method			3550B				
Date Analyzed			11/10/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85193.16: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85193.16				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		36.2				
2-Fluorobiphenyl	30-115		84.0				
Nitrobenzene-d5	23-120		74.0				
Phenol-d6	21-113		49.4				
p-Terphenyl-D14	18-137		101				
2,4,6-Tribromophenol	19-122		8.8 S6				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	2.76	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	107	127	106	107	111
Tetrachloro-m-xylene	30-150	139	140	137	135	124



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.05			
Client Sample I.D.			B1-5			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Aldrin	2.0	4.0	ND			
Chlordane (Total)	2.0	4.0	ND			
Chlordane (alpha)	2.0	4.0	ND			
4,4'-DDD (DDD)	2.0	4.0	ND			
4,4'-DDE (DDE)	2.0	4.0	ND			
4,4'-DDT (DDT)	2.0	4.0	ND			
Dieldrin	2.0	4.0	ND			
Endosulfan 1	2.0	4.0	ND			
Endosulfan 11	2.0	4.0	ND			
Endosulfan sulfate	2.0	4.0	ND			
Endrin	2.0	4.0	ND			
Endrin aldehyde	2.0	4.0	ND			
Endrin ketone	2.0	4.0	ND			
Chlordane (gamma)	2.0	4.0	ND			
Heptachlor	2.0	4.0	ND			
Heptachlor epoxide	2.0	4.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND			
Methoxychlor	10	20	ND			
Toxaphene	170	340	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85193.05				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	112				
Tetrachloro-m-xylene	30-150	121				



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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.06	85193.07	85193.08		
Client Sample I.D.			B1-6	B1-7	B1-8		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aldrin	1.0	2.0	ND	ND	ND		
Chlordane (Total)	1.0	2.0	ND	ND	ND		
Chlordane (alpha)	1.0	2.0	ND	ND	ND		
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND		
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND		
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND		
Dieldrin	1.0	2.0	ND	ND	ND		
Endosulfan 1	1.0	2.0	ND	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND	ND		
Endrin	1.0	2.0	ND	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND	ND		
Endrin ketone	1.0	2.0	ND	ND	ND		
Chlordane (gamma)	1.0	2.0	ND	ND	ND		
Heptachlor	1.0	2.0	ND	ND	ND		
Heptachlor epoxide	1.0	2.0	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND		
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND		
Methoxychlor	5.0	10.0	ND	ND	ND		
Toxaphene	85.0	170.0	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85193.06	85193.07	85193.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		113	118	126		
Tetrachloro-m-xylene	30-150		135	144	147		



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### Site

Irwindale, CA

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Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.09			
Client Sample I.D.			B1-9			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	6.50J			
4,4'-DDT (DDT)	5	10	ND			
Dieldrin	5	10	15.3			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85193.09				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	112				
Tetrachloro-m-xylene	30-150	126				



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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.10	85193.11	85193.12		
Client Sample I.D.			B1-10	B1-11	B1-12		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aldrin	1.0	2.0	ND	ND	ND		
Chlordane (Total)	1.0	2.0	4.25	20.5	132		
Chlordane (alpha)	1.0	2.0	1.81J	9.40	59.4		
4,4'-DDD (DDD)	1.0	2.0	ND	1.09J	ND		
4,4'-DDE (DDE)	1.0	2.0	4.08	31.6	8.20		
4,4'-DDT (DDT)	1.0	2.0	ND	15.7	16.8		
Dieldrin	1.0	2.0	1.73J	3.73	4.92		
Endosulfan 1	1.0	2.0	ND	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND	ND		
Endrin	1.0	2.0	ND	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND	ND		
Endrin ketone	1.0	2.0	ND	ND	ND		
Chlordane (gamma)	1.0	2.0	2.44	11.1	72.8		
Heptachlor	1.0	2.0	ND	ND	1.39J		
Heptachlor epoxide	1.0	2.0	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND		
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND		
Methoxychlor	5.0	10.0	ND	ND	ND		
Toxaphene	85.0	170.0	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85193.10	85193.11	85193.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		96.8	118	120		
Tetrachloro-m-xylene	30-150		116	145	145		



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## ANALYTICAL RESULTS

### Ordered By

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### Site

Irwindale, CA

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Attn: Gregory Sena

Page: 65

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.	85193.13		
Client Sample I.D.	B1-13		
Date Sampled	11/07/2016		
Date Prepared	11/08/2016		
Preparation Method	3550B		
Date Analyzed	11/09/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Aldrin	2.0	4.0	ND
Chlordane (Total)	2.0	4.0	ND
Chlordane (alpha)	2.0	4.0	ND
4,4'-DDD (DDD)	2.0	4.0	ND
4,4'-DDE (DDE)	2.0	4.0	7.70
4,4'-DDT (DDT)	2.0	4.0	3.32J
Dieldrin	2.0	4.0	4.27
Endosulfan 1	2.0	4.0	ND
Endosulfan 11	2.0	4.0	ND
Endosulfan sulfate	2.0	4.0	ND
Endrin	2.0	4.0	ND
Endrin aldehyde	2.0	4.0	ND
Endrin ketone	2.0	4.0	ND
Chlordane (gamma)	2.0	4.0	ND
Heptachlor	2.0	4.0	ND
Heptachlor epoxide	2.0	4.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND
Methoxychlor	10	20	ND
Toxaphene	170	340	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85193.13				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	98.2				
Tetrachloro-m-xylene	30-150	118				



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.14	85193.15		
Client Sample I.D.			B1-14	B1-15		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Aldrin	1.0	2.0	4.73	ND		
Chlordane (Total)	1.0	2.0	700	1.84J		
Chlordane (alpha)	1.0	2.0	298	ND		
4,4'-DDD (DDD)	1.0	2.0	3.16	ND		
4,4'-DDE (DDE)	1.0	2.0	9.51	3.74		
4,4'-DDT (DDT)	1.0	2.0	16.1	ND		
Dieldrin	1.0	2.0	6.21	5.36		
Endosulfan 1	1.0	2.0	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND		
Endrin	1.0	2.0	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND		
Endrin ketone	1.0	2.0	ND	ND		
Chlordane (gamma)	1.0	2.0	402	1.43J		
Heptachlor	1.0	2.0	7.39	ND		
Heptachlor epoxide	1.0	2.0	6.19	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND		
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND		
Methoxychlor	5.0	10.0	ND	ND		
Toxaphene	85.0	170.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85193.14	85193.15			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Decachlorobiphenyl	30-150	116	104			
Tetrachloro-m-xylene	30-150	120	113			



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1

Our Lab I.D.			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Aldrin	2.0	4.0	ND			
Chlordane (Total)	2.0	4.0	8.52			
Chlordane (alpha)	2.0	4.0	2.00J			
4,4'-DDD (DDD)	2.0	4.0	ND			
4,4'-DDE (DDE)	2.0	4.0	35.2			
4,4'-DDT (DDT)	2.0	4.0	ND			
Dieldrin	2.0	4.0	3.14J			
Endosulfan 1	2.0	4.0	ND			
Endosulfan 11	2.0	4.0	ND			
Endosulfan sulfate	2.0	4.0	ND			
Endrin	2.0	4.0	ND			
Endrin aldehyde	2.0	4.0	ND			
Endrin ketone	2.0	4.0	ND			
Chlordane (gamma)	2.0	4.0	6.52			
Heptachlor	2.0	4.0	ND			
Heptachlor epoxide	2.0	4.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND			
Methoxychlor	10	20	ND			
Toxaphene	170	340	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85193.16				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	119				
Tetrachloro-m-xylene	30-150	129				



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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Azinphos-methyl	50	50	ND	ND	ND	ND	ND
Bolstar (Sulprofos)	50	50	ND	ND	ND	ND	ND
Chloropyrifos (Dursban)	50	50	ND	ND	ND	ND	ND
Coumaphos	50	50	ND	ND	ND	ND	ND
Demeton-O & S	50	50	ND	ND	ND	ND	ND
Diazinon	50	50	ND	ND	ND	ND	ND
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND	ND	ND	ND
Disulfoton	50	50	ND	ND	ND	ND	ND
Ethoprop	50	50	ND	ND	ND	ND	ND
Fensulfothion	50	50	ND	ND	ND	ND	ND
Fenthion	50	50	ND	ND	ND	ND	ND
Malathion	50	50	ND	ND	ND	ND	ND
Merphos	50	50	ND	ND	ND	ND	ND
Methyl parathion (Parathion methyl)	50	50	ND	ND	ND	ND	ND
Mevinphos	100	100	ND	ND	ND	ND	ND
Naled	100	100	ND	ND	ND	ND	ND
Phorate (Phosphorodithioic acid)	50	50	ND	ND	ND	ND	ND
Ronnel	50	50	ND	ND	ND	ND	ND
Tetrachlorvinphos (Stirophos)	50	50	ND	ND	ND	ND	ND
Tokuthion (Prothiofos)	50	50	ND	ND	ND	ND	ND
Trichloronate	50	50	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Tributylphosphate	52-129	96.0	107	85.2	85.1	108



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Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.		85193.05			
Client Sample I.D.		B1-5			
Date Sampled		11/07/2016			
Date Prepared		11/08/2016			
Preparation Method		3550B			
Date Analyzed		11/09/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chloropyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

### Comment(s):

85193.05: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.05				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	102				



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			85193.06	85193.07	85193.08		
Client Sample I.D.			B1-6	B1-7	B1-8		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Azinphos-methyl	50	50	ND	ND	ND		
Bolstar (Sulprofos)	50	50	ND	ND	ND		
Chloropyrifos (Dursban)	50	50	ND	ND	ND		
Coumaphos	50	50	ND	ND	ND		
Demeton-O & S	50	50	ND	ND	ND		
Diazinon	50	50	ND	ND	ND		
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND	ND		
Disulfoton	50	50	ND	ND	ND		
Ethoprop	50	50	ND	ND	ND		
Fensulfothion	50	50	ND	ND	ND		
Fenthion	50	50	ND	ND	ND		
Malathion	50	50	ND	ND	ND		
Merphos	50	50	ND	ND	ND		
Methyl parathion (Parathion methyl)	50	50	ND	ND	ND		
Mevinphos	100	100	ND	ND	ND		
Naled	100	100	ND	ND	ND		
Phorate (Phosphorodithioic acid)	50	50	ND	ND	ND		
Ronnel	50	50	ND	ND	ND		
Tetrachlorvinphos (Stirophos)	50	50	ND	ND	ND		
Tokuthion (Prothiofos)	50	50	ND	ND	ND		
Trichloronate	50	50	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.06	85193.07	85193.08		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Tributylphosphate	52-129	96.0	98.8	94.7		



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## ANALYTICAL RESULTS

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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.		85193.09			
Client Sample I.D.		B1-9			
Date Sampled		11/07/2016			
Date Prepared		11/08/2016			
Preparation Method		3550B			
Date Analyzed		11/09/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chloropyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

*Comment(s):*

85193.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.09				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	91.2				



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			85193.10			
Client Sample I.D.			B1-10			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Azinphos-methyl	50	50	ND			
Bolstar (Sulprofos)	50	50	ND			
Chloropyrifos (Dursban)	50	50	ND			
Coumaphos	50	50	ND			
Demeton-O & S	50	50	ND			
Diazinon	50	50	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND			
Disulfoton	50	50	ND			
Ethoprop	50	50	ND			
Fensulfothion	50	50	ND			
Fenthion	50	50	ND			
Malathion	50	50	ND			
Merphos	50	50	ND			
Methyl parathion (Parathion methyl)	50	50	ND			
Mevinphos	100	100	ND			
Naled	100	100	ND			
Phorate (Phosphorodithioic acid)	50	50	ND			
Ronnel	50	50	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND			
Tokuthion (Prothiofos)	50	50	ND			
Trichloronate	50	50	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.10				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	77.6				



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## ANALYTICAL RESULTS

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			85193.11	85193.12	85193.13		
Client Sample I.D.			B1-11	B1-12	B1-13		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
Azinphos-methyl	100	100	ND	ND	ND		
Bolstar (Sulprofos)	100	100	ND	ND	ND		
Chloropyrifos (Dursban)	100	100	ND	ND	ND		
Coumaphos	100	100	ND	ND	ND		
Demeton-O & S	100	100	ND	ND	ND		
Diazinon	100	100	ND	ND	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND	ND	ND		
Disulfoton	100	100	ND	ND	ND		
Ethoprop	100	100	ND	ND	ND		
Fensulfothion	100	100	ND	ND	ND		
Fenthion	100	100	ND	ND	ND		
Malathion	100	100	ND	ND	ND		
Merphos	100	100	ND	ND	ND		
Methyl parathion (Parathion methyl)	100	100	ND	ND	ND		
Mevinphos	200	200	ND	ND	ND		
Naled	200	200	ND	ND	ND		
Phorate (Phosphorodithioic acid)	100	100	ND	ND	ND		
Ronnel	100	100	ND	ND	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND	ND	ND		
Tokuthion (Prothiofos)	100	100	ND	ND	ND		
Trichloronate	100	100	ND	ND	ND		

*Comment(s):*

85193.11: Analyzed under dilution due to matrix interference 85193.12: Analyzed under dilution due to matrix interference 85193.13: Analyzed under dilution due to matrix interference





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### ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.11	85193.12	85193.13		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Tributylphosphate	52-129	105	96.8	98.0		



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## ANALYTICAL RESULTS

### Ordered By

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### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			85193.14	85193.15		
Client Sample I.D.			B1-14	B1-15		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Azinphos-methyl	50	50	ND	ND		
Bolstar (Sulprofos)	50	50	ND	ND		
Chloropyrifos (Dursban)	50	50	ND	ND		
Coumaphos	50	50	ND	ND		
Demeton-O & S	50	50	ND	ND		
Diazinon	50	50	ND	ND		
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND		
Disulfoton	50	50	ND	ND		
Ethoprop	50	50	ND	ND		
Fensulfothion	50	50	ND	ND		
Fenthion	50	50	ND	ND		
Malathion	50	50	ND	ND		
Merphos	50	50	ND	ND		
Methyl parathion (Parathion methyl)	50	50	ND	ND		
Mevinphos	100	100	ND	ND		
Naled	100	100	ND	ND		
Phorate (Phosphorodithioic acid)	50	50	ND	ND		
Ronnel	50	50	ND	ND		
Tetrachlorvinphos (Stirophos)	50	50	ND	ND		
Tokuthion (Prothiofos)	50	50	ND	ND		
Trichloronate	50	50	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.14	85193.15			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Tributylphosphate	52-129	83.2	79.2			



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## ANALYTICAL RESULTS

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### Site

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816

Our Lab I.D.			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Azinphos-methyl	100	100	ND			
Bolstar (Sulprofos)	100	100	ND			
Chloropyrifos (Dursban)	100	100	ND			
Coumaphos	100	100	ND			
Demeton-O & S	100	100	ND			
Diazinon	100	100	ND			
Dichlorvos (DDVP, Diclorovos)	100	100	ND			
Disulfoton	100	100	ND			
Ethoprop	100	100	ND			
Fensulfothion	100	100	ND			
Fenthion	100	100	ND			
Malathion	100	100	ND			
Merphos	100	100	ND			
Methyl parathion (Parathion methyl)	100	100	ND			
Mevinphos	200	200	ND			
Naled	200	200	ND			
Phorate (Phosphorodithioic acid)	100	100	ND			
Ronnel	100	100	ND			
Tetrachlorvinphos (Stirophos)	100	100	ND			
Tokuthion (Prothiofos)	100	100	ND			
Trichloronate	100	100	ND			

### Comment(s):

85193.16: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85193.16				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	81.6				



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 110916

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	58.6	22.7 S6	20.3 S6	31.1 S6	21.8 S6



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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 110916

Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Client Sample I.D.			B1-5	B1-6	B1-7	B1-8	B1-9
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	19.8
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85193.05	85193.06	85193.07	85193.08	85193.09
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	32.6 S6	22.4 S6	13.0 S6	20.6 S6	42.8



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## ANALYTICAL RESULTS

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### Site

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Telephone: (626)458-5100

Attn: Gregory Sena

Page: 91

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 110916

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	68.5	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85193.10	85193.11	85193.12	85193.13	85193.14
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	72.8	71.2	43.2	69.4	48.0



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 110916

Our Lab I.D.			85193.15	85193.16			
Client Sample I.D.			B1-15	B1-16			
Date Sampled			11/07/2016	11/07/2016			
Date Prepared			11/09/2016	11/09/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acifluorfen	20	20	ND	ND			
Bentazon	10	10	ND	ND			
Chloramben	10	10	ND	ND			
2,4-D	10	10	ND	ND			
Dalapon	20	20	ND	ND			
2,4-DB	10	10	ND	ND			
DCPA diacid	20	20	ND	ND			
Dicamba	10	10	ND	ND			
3,5-Dichlorobenzoic acid	10	10	ND	ND			
Dichloroprop	10	10	ND	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND			
MCPA	2000	2000	ND	ND			
MCPP	2000	2000	ND	ND			
4-Nitrophenol	10	10	ND	ND			
Pentachlorophenol (PCP)	10	10	ND	ND			
Picloram	10	10	ND	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND			
2,4,5-TP	10	10	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85193.15	85193.16			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
DCAA	40-150	46.3	46.5			



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## ANALYTICAL RESULTS

### Ordered By

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Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C5

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	6.54	6.00	3.87J	5.02
Barium	2.5	5.0	ND	78.8	69.5	68.2	80.4
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	12.9	7.46	7.31	7.04
Cobalt	2.5	5.0	ND	4.02J	3.56J	3.34J	3.93J
Copper	2.5	5.0	ND	10.5	11.2	9.24	9.46
Lead	2.5	5.0	ND	4.03J	3.55J	2.78J	2.79J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	16.0	8.77	7.43	6.26
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	28.9	20.2	17.2	17.8
Zinc	2.5	5.0	ND	38.3	32.4	27.8	29.3



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C5

Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	85193.09
Client Sample I.D.			B1-5	B1-6	B1-7	B1-8	B1-9
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	5.13	6.10	5.19	5.69	3.48J
Barium	2.5	5.0	77.1	80.2	73.7	78.7	69.8
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	11.8	11.9	10.6	9.61	7.07
Cobalt	2.5	5.0	3.71J	3.87J	3.44J	3.80J	3.20J
Copper	2.5	5.0	27.0	23.8	8.60	11.7	9.49
Lead	2.5	5.0	17.8	14.1	3.45J	3.54J	19.9
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	9.18	9.85	8.44	9.03	5.99
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	21.3	22.4	20.3	19.7	16.2
Zinc	2.5	5.0	68.9	54.4	32.0	33.7	64.4



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## ANALYTICAL RESULTS

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### Site

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Telephone: (626)458-5100

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C5

Our Lab I.D.	85193.10		
Client Sample I.D.	B1-10		
Date Sampled	11/07/2016		
Date Prepared	11/09/2016		
Preparation Method	3050B		
Date Analyzed	11/10/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Antimony	1.0	5.0	ND
Arsenic	1.0	5.0	4.53J
Barium	2.5	5.0	85.6
Beryllium	1.3	2.5	ND
Cadmium	1.3	2.5	ND
Chromium	2.5	5.0	7.42
Cobalt	2.5	5.0	3.02J
Copper	2.5	5.0	7.35
Lead	2.5	5.0	8.41
Mercury (By EPA 7471)	0.1	0.2	ND
Molybdenum	2.5	5.0	ND
Nickel	2.5	5.0	3.65J
Selenium	1.0	5.0	ND
Silver	2.5	5.0	ND
Thallium	1.0	5.0	ND
Vanadium	2.5	5.0	15.2
Zinc	2.5	5.0	120





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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6

Our Lab I.D.			Method Blank	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.				B1-11	B1-12	B1-13	B1-14
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	4.12J	2.68J	3.76J	ND
Barium	2.5	5.0	ND	167	78.7	126	68.4
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	11.3	9.59	8.85	9.51
Cobalt	2.5	5.0	ND	5.82	4.54J	3.31J	3.53J
Copper	2.5	5.0	ND	25.9	11.1	10.2	11.3
Lead	2.5	5.0	ND	67.8	101	23.5	50.1
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.131J	0.206	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	8.08	6.48	4.97J	5.37
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	24.5	20.0	16.0	15.4
Zinc	2.5	5.0	ND	256	125	165	62.3



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Irwindale, CA

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6

Our Lab I.D.			85193.15	85193.16		
Client Sample I.D.			B1-15	B1-16		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/09/2016	11/09/2016		
Preparation Method			3050B	3050B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Antimony	1.0	5.0	ND	ND		
Arsenic	1.0	5.0	4.07J	3.57J		
Barium	2.5	5.0	70.9	72.8		
Beryllium	1.3	2.5	ND	ND		
Cadmium	1.3	2.5	ND	ND		
Chromium	2.5	5.0	12.6	10.4		
Cobalt	2.5	5.0	3.98J	3.85J		
Copper	2.5	5.0	12.7	12.4		
Lead	2.5	5.0	4.74J	11.9		
Mercury (By EPA 7471)	0.1	0.2	ND	ND		
Molybdenum	2.5	5.0	ND	ND		
Nickel	2.5	5.0	7.42	6.58		
Selenium	1.0	5.0	ND	ND		
Silver	2.5	5.0	ND	ND		
Thallium	1.0	5.0	ND	ND		
Vanadium	2.5	5.0	20.1	21.0		
Zinc	2.5	5.0	32.9	37.1		



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85193.01	85193.02	85193.03	85193.04	85193.05
Client Sample I.D.		B1-1	B1-2	B1-3	B1-4	B1-5
Date Sampled		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method		600R-93	600R-93	600R-93	600R-93	600R-93
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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Page: 101

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85193.06	85193.07	85193.08	85193.09	85193.10
Client Sample I.D.		B1-6	B1-7	B1-8	B1-9	B1-10
Date Sampled		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method		600R-93	600R-93	600R-93	600R-93	600R-93
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85193.11	85193.12	85193.13	85193.14	85193.15
Client Sample I.D.		B1-11	B1-12	B1-13	B1-14	B1-15
Date Sampled		11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method		600R-93	600R-93	600R-93	600R-93	600R-93
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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### Site

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Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.			85193.16			
Client Sample I.D.			B1-16			
Date Sampled			11/07/2016			
Date Prepared			11/10/2016			
Preparation Method			600R-93			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			Percent			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Asbestos, Total	1.0	1.0	ND			



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## QUALITY CONTROL RESULTS

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Page: 104

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C5; Dup or Spiked Sample: 85193.01; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	0.00	50.0	43.9	87.8	50.0	43.9	87.8	<1	75-125	<15
Arsenic	6.54	50.0	51.2	89.3	50.0	50.9	88.7	<1	75-125	<15
Barium	78.8	50.0	119	80.4	50.0	118	78.4	2.52	75-125	<15
Beryllium	0.00	50.0	48.0	96.0	50.0	48.0	96.0	<1	75-125	<15
Cadmium	0.00	50.0	37.7	75.4	50.0	37.5	75.0	<1	75-125	<15
Chromium	12.9	50.0	54.0	82.2	50.0	54.2	82.6	<1	75-125	<15
Cobalt	4.02	50.0	42.0	76.0	50.0	42.2	76.4	<1	75-125	<15
Copper	10.5	50.0	55.4	89.8	50.0	54.9	88.8	1.12	75-125	<15
Lead	4.03	50.0	37.9 M	67.7	50.0	37.9 M	67.7	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.535	107	0.500	0.510	102	4.8	75-125	<15
Molybdenum	0.00	50.0	40.4	80.8	50.0	40.8	81.6	<1	75-125	<15
Nickel	16.0	50.0	50.5 M	69.0	50.0	50.2 M	68.4	<1	75-125	<15
Selenium	0.00	50.0	40.1	80.2	50.0	41.3	82.6	2.95	75-125	<15
Silver	0.00	50.0	43.8	87.6	50.0	43.4	86.8	<1	75-125	<15
Thallium	0.00	50.0	32.3 M	64.6	50.0	32.7 M	65.4	1.23	75-125	<15
Vanadium	28.9	50.0	71.8	85.8	50.0	71.4	85.0	<1	75-125	<15
Zinc	38.3	50.0	81.5	86.4	50.0	81.1	85.6	<1	75-125	<15

QC Batch No: 1109162C5; Dup or Spiked Sample: 85193.01; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	50.0	50.4	101	50.0	50.3	101	<1	75-125	<15
Arsenic	50.0	50.5	101	50.0	50.6	101	<1	75-125	<15
Barium	50.0	50.8	102	50.0	50.7	101	<1	75-125	<15
Beryllium	50.0	55.6	111	50.0	55.4	111	<1	75-125	<15
Cadmium	50.0	51.7	103	50.0	51.8	104	<1	75-125	<15
Chromium	50.0	49.9	99.8	50.0	49.7	99.4	<1	75-125	<15
Cobalt	50.0	50.8	102	50.0	50.8	102	<1	75-125	<15
Copper	50.0	48.4	96.8	50.0	48.3	96.6	<1	75-125	<15
Lead	50.0	49.8	99.6	50.0	49.7	99.4	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C5; Dup or Spiked Sample: 85193.01; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Mercury (By EPA 7471)	0.500	0.452	90.4	0.500	0.560	112	21.3	75-125	<15
Molybdenum	50.0	49.0	98.0	50.0	49.0	98.0	<1	75-125	<15
Nickel	50.0	50.3	101	50.0	50.5	101	<1	75-125	<15
Selenium	50.0	50.9	102	50.0	50.6	101	<1	75-125	<15
Silver	50.0	50.7	101	50.0	50.9	102	<1	75-125	<15
Thallium	50.0	51.1	102	50.0	50.9	102	<1	75-125	<15
Vanadium	50.0	50.9	102	50.0	51.0	102	<1	75-125	<15
Zinc	50.0	52.2	104	50.0	52.3	105	<1	75-125	<15





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

## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	0.00	50.0	41.7	83.4	50.0	40.0	80.0	4.16	75-125	<15
Arsenic	4.12	50.0	46.5	84.8	50.0	45.1	82.0	3.36	75-125	<15
Barium	167	50.0	190 M	46.0	50.0	186 M	38.0	19.0	75-125	<15
Beryllium	0.00	50.0	46.6	93.2	50.0	45.5	91.0	2.39	75-125	<15
Cadmium	0.00	50.0	40.1	80.2	50.0	39.1	78.2	2.53	75-125	<15
Chromium	11.3	50.0	51.7	80.8	50.0	50.2	77.8	3.78	75-125	<15
Cobalt	5.82	50.0	43.3	75.0	50.0	42.1 M	72.6	3.25	75-125	<15
Copper	25.9	50.0	67.7	83.6	50.0	65.8	79.8	4.65	75-125	<15
Lead	67.8	50.0	149 M	162	50.0	145 M	154	5.06	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.765M	153	0.500	0.755M	151	1.3	75-125	<15
Molybdenum	0.00	50.0	40.3	80.6	50.0	39.2	78.4	2.77	75-125	<15
Nickel	8.08	50.0	42.6 M	69.0	50.0	41.7 M	67.2	2.64	75-125	<15
Selenium	0.00	50.0	29.5 M	59.0	50.0	28.3 M	56.6	4.15	75-125	<15
Silver	0.00	50.0	39.9	79.8	50.0	38.8	77.6	2.80	75-125	<15
Thallium	0.00	50.0	32.2 M	64.4	50.0	31.0 M	62.0	3.80	75-125	<15
Vanadium	24.5	50.0	65.5	82.0	50.0	63.9	78.8	3.98	75-125	<15
Zinc	256	50.0	317	122	50.0	309	106	14.0	75-125	<15

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	50.0	49.6	99.2	50.0	49.7	99.4	<1	75-125	<15
Arsenic	50.0	50.2	100	50.0	50.1	100	<1	75-125	<15
Barium	50.0	49.9	99.8	50.0	49.8	99.6	<1	75-125	<15
Beryllium	50.0	55.5	111	50.0	55.5	111	<1	75-125	<15
Cadmium	50.0	50.7	101	50.0	50.7	101	<1	75-125	<15
Chromium	50.0	48.8	97.6	50.0	48.7	97.4	<1	75-125	<15
Cobalt	50.0	50.0	100	50.0	49.7	99.4	<1	75-125	<15
Copper	50.0	48.2	96.4	50.0	48.4	96.8	<1	75-125	<15
Lead	50.0	49.2	98.4	50.0	49.6	99.2	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Mercury (By EPA 7471)	0.500	0.565	113	0.500	0.575	115	1.8	75-125	<15
Molybdenum	50.0	48.5	97.0	50.0	49.0	98.0	1.03	75-125	<15
Nickel	50.0	49.6	99.2	50.0	49.7	99.4	<1	75-125	<15
Selenium	50.0	50.6	101	50.0	50.3	101	<1	75-125	<15
Silver	50.0	50.0	100	50.0	49.9	99.8	<1	75-125	<15
Thallium	50.0	50.4	101	50.0	50.7	101	<1	75-125	<15
Vanadium	50.0	50.1	100	50.0	50.1	100	<1	75-125	<15
Zinc	50.0	51.6	103	50.0	51.4	103	<1	75-125	<15



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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 110816EB1; Dup or Spiked Sample: 85193.04; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Aldrin	0.00	20.0	18.8	94.0	20.0	16.6	83.0	12.4	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	62.5	125	50.0	60.7	121	3.25	40-150	<40
Dieldrin	0.00	50.0	51.0	102	50.0	46.8	93.6	8.59	40-150	<40
Endrin	0.00	50.0	73.9	148	50.0	71.5	143	3.44	40-150	<40
Heptachlor	0.00	20.0	28.6	143	20.0	26.7	134	6.50	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	28.8	144	20.0	26.7	134	7.19	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	52.4	105	50.0	54.9	110	4.76	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	54.4	109	50.0	54.4	109	<1	30-150	<40

QC Batch No: 110816EB1; Dup or Spiked Sample: 85193.04; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Aldrin	20.0	15.3	76.5	20.0	14.5	72.5	5.37	50-150	<40
4,4'-DDT (DDT)	50.0	45.0	90.0	50.0	39.1	78.2	14.0	50-150	<40
Dieldrin	50.0	46.6	93.2	50.0	42.8	85.6	8.50	50-150	<40
Endrin	50.0	56.7	113	50.0	49.5	99.0	13.2	50-150	<40
Heptachlor	20.0	24.9	125	20.0	22.9	115	8.33	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	24.5	123	20.0	22.6	113	8.47	50-150	<40
<b>Surrogates</b>									
Decachlorobiphenyl	50.0	48.7	97.4	50.0	45.1	90.2	7.39	30-150	<40
Tetrachloro-m-xylene	50.0	53.8	108	50.0	50.8	102	5.56	30-150	<40



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 110816; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Bolstar (Sulprofos)	0.00	200	226	113	200	212	106	6.4	50-150	<40
Ethoprop	0.00	200	204	102	200	198	99.0	3.0	50-150	<40
Phorate (Phosphorodithioic acid)	0.00	200	168	84.0	200	160	80.0	4.9	50-150	<40
Ronnel	0.00	200	204	102	200	192	96.0	6.1	50-150	<40
<b>Surrogates</b>										
Tributylphosphate	0.00	250	258	103	250	245	98.0	5.0	50-150	<40

QC Batch No: 110816; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Bolstar (Sulprofos)	200	232	116	200	240	120	3.4	50-150	<40
Ethoprop	200	228	114	200	236	118	3.4	50-150	<40
Phorate (Phosphorodithioic acid)	200	177	88.5	200	183	91.5	3.3	50-150	<40
Ronnel	200	208	104	200	216	108	3.8	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	268	107	250	278	111	3.7	50-150	<40



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 110916; LCS: Clean Sand; LCS Prepared: 11/09/2016; LCS Analyzed: 11/10/2016; Units: ug/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
2,4-D	25.0	15.3	61.2	25.0	17.1	68.4	11.1	50-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	18.0	72.0	25.0	14.4	57.6	22.2	50-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	16.4	65.6	25.0	12.7	50.8	25.4	50-140	<40
<b>LCS</b>									
Dalapon	25.0	14.6	58.4	25.0	18.4	73.6	23.0	50-140	<40
2,4-DB	25.0	14.8	59.2	25.0	16.4	65.6	10.3	50-140	<40
Dicamba	25.0	18.4	73.6	25.0	13.5	54.0	30.7	50-140	<40
Dichloroprop	25.0	29.0	116	25.0	19.9	79.6	37.2	50-140	<40
MCPA	2,500	1,800	72.0	2,500	1,620	64.8	10.5	50-140	<40
MCPP	2,500	1,600	63.9	2,500	1,490	59.7	6.8	50-140	<40
2,4,5-TP	25.0	18.2	72.8	25.0	13.6	54.4	28.9	50-140	<40
<b>Surrogates</b>									
DCAA	50.0	37.5	75.0	50.0	31.3	62.6	18.0	50-140	<40



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A1; Dup or Spiked Sample: 85193.01; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/08/2016;  
 Units: ug/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
Benzene	0.00	50.0	49.8	99.6	50.0	49.7	99.4	<1	75-125	<20
Chlorobenzene	0.00	50.0	47.9	95.8	50.0	48.3	96.6	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	62.5	125	50.0	61.0	122	2.4	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	49.8	99.6	50.0	49.6	99.2	<1	75-125	<20
Trichloroethene	0.00	50.0	50.0	99.9	50.0	49.7	99.4	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	56.0	112	50.0	57.0	114	1.8	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	46.7	93.3	50.0	47.4	94.7	1.5	75-125	<20
Dibromofluoromethane	0.00	50.0	39.1	78.2	50.0	38.1	76.1	2.7	75-125	<20
Toluene-d8	0.00	50.0	48.3	96.5	50.0	47.2	94.3	2.3	75-125	<20

QC Batch No: 1108162A1; Dup or Spiked Sample: 85193.01; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/08/2016;  
 Units: ug/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
Benzene	50.0	52.5	105	50.0	51.5	103	1.9	75-125	<20
Chlorobenzene	50.0	49.9	99.8	50.0	51.0	102	2.2	75-125	<20
1,1-Dichloroethene	50.0	60.5	121	50.0	62.0	124	2.4	75-125	<20
Toluene (Methyl benzene)	50.0	50.0	100	50.0	52.0	104	3.9	75-125	<20
Trichloroethene	50.0	54.0	108	50.0	54.5	109	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	62.5	125	50.0	61.0	122	2.4	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	61.0	122	50.0	58.5	117	4.2	75-125	<20
Ethylbenzene	50.0	49.3	98.6	50.0	49.5	99.0	<1	75-125	<20
1,1,1-Trichloroethane	50.0	56.0	112	50.0	55.5	111	<1	75-125	<20
o-Xylene	50.0	48.6	97.2	50.0	49.5	99.0	1.8	75-125	<20
m,p-Xylenes	100	94.2	94.2	100	96.7	96.7	2.6	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	46.5	92.9	50.0	48.0	95.9	3.2	75-125	<20
Dibromofluoromethane	50.0	57.5	115	50.0	55.5	111	3.5	75-125	<20
Toluene-d8	50.0	45.3	90.5	50.0	47.3	94.6	4.4	75-125	<20



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Page: 112

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1108162A2; Dup or Spiked Sample: 85193.12; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Benzene	0.00	50.0	46.1	92.2	50.0	45.5	91.0	1.3	75-125	<20
Chlorobenzene	0.00	50.0	40.8	81.6	50.0	41.1	82.2	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	60.5	121	50.0	59.0	118	2.5	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	44.5	89.0	50.0	44.2	88.4	<1	75-125	<20
Trichloroethene	0.00	50.0	42.3	84.6	50.0	41.5	83.0	1.9	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	49.9	99.8	50.0	49.8	99.6	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	45.5	91.0	50.0	46.5	92.9	2.1	75-125	<20
Dibromofluoromethane	0.00	50.0	48.9	97.8	50.0	48.4	96.7	1.1	75-125	<20
Toluene-d8	0.00	50.0	46.5	93.0	50.0	47.3	94.5	1.6	75-125	<20

QC Batch No: 1108162A2; Dup or Spiked Sample: 85193.12; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: ug/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
Benzene	50.0	50.0	100	50.0	51.5	103	3.0	75-125	<20
Chlorobenzene	50.0	50.0	100	50.0	50.5	101	<1	75-125	<20
1,1-Dichloroethene	50.0	61.5	123	50.0	60.0	120	2.5	75-125	<20
Toluene (Methyl benzene)	50.0	49.7	99.4	50.0	50.0	100	<1	75-125	<20
Trichloroethene	50.0	53.0	106	50.0	54.5	109	2.8	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	58.5	117	50.0	60.5	121	3.4	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	57.5	115	50.0	57.5	115	<1	75-125	<20
Ethylbenzene	50.0	48.2	96.4	50.0	49.0	98.0	1.6	75-125	<20
1,1,1-Trichloroethane	50.0	53.0	106	50.0	54.5	109	2.8	75-125	<20
o-Xylene	50.0	48.5	97.0	50.0	49.0	98.0	1.0	75-125	<20
m,p-Xylenes	100	93.5	93.5	100	93.3	93.3	<1	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	45.6	91.2	50.0	45.2	90.4	<1	75-125	<20
Dibromofluoromethane	50.0	55.5	111	50.0	53.5	107	3.7	75-125	<20
Toluene-d8	50.0	46.2	92.3	50.0	44.9	89.8	2.7	75-125	<20



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LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 113

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1; LCS: Clean Sand; LCS Prepared: 11/10/2016; LCS Analyzed: 11/10/2016; Units: ug/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	
Benzene	50.0	45.1	90.2	50.0	44.1	88.0	2.5	75-125	<20	
Chlorobenzene	50.0	49.4	98.8	50.0	49.2	98.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.2	100	50.0	46.6	93.0	7.3	75-125	<20	
Toluene (Methyl benzene)	50.0	49.5	99.0	50.0	50.1	100	1.0	75-125	<20	
Trichloroethene	50.0	48.0	96.0	50.0	47.5	95.0	1.0	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.7	101	50.0	49.6	99.0	2.0	75-125	<20	
<b>LCS</b>										
Chloroform (Trichloromethane)	50.0	45.0	90.0	50.0	45.8	92.0	2.2	75-125	<20	
Ethylbenzene	50.0	48.5	97.0	50.0	48.4	97.0	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	48.6	97.2	50.0	49.1	98.0	<1	75-125	<20	
o-Xylene	50.0	48.3	96.6	50.0	48.0	96.0	<1	75-125	<20	
m,p-Xylenes	100	92.2	92.2	100	92.8	92.8	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	48.7	97.5	50.0	47.9	95.8	1.8	75-125	<20	
Dibromofluoromethane	50.0	50.5	101	50.0	50.6	101	<1	75-125	<20	
Toluene-d8	50.0	52.8	106	50.0	52.9	106	<1	75-125	<20	





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

## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **114**

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1; Dup or Spiked Sample: 84113.04; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 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
Acenaphthene	0.00	2.50	1.83	73.2	2.50	2.05	82.0	11.3	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	2.57	51.4	5.00	2.86	57.2	10.7	39-98	<20
2-Chlorophenol	0.00	5.00	3.14	62.8	5.00	3.47	69.4	9.98	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.74	69.6	2.50	1.88	75.2	7.73	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.83	73.2	2.50	2.15	86.0	16.1	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.99	79.6	2.50	2.16	86.4	8.19	41-116	<20
4-Nitrophenol	0.00	5.00	3.08	61.6	5.00	3.51	70.2	13.1	10-110	<20
Pentachlorophenol	0.00	5.00	2.57	51.4	5.00	3.10	62.0	18.7	40-125	<20
Phenol	0.00	5.00	2.66	53.2	5.00	2.98	59.6	11.3	12-89	<20
Pyrene	0.00	2.50	2.12	84.8	2.50	2.40	96.0	12.4	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.95	78.0	2.50	2.14	85.6	9.29	39-98	<20
<b>Surrogates</b>										
2-Fluorophenol	0.00	5.00	2.38	47.6	5.00	2.70	54.0	13.4	25-121	<20
2-Fluorobiphenyl	0.00	2.50	2.00	80.0	2.50	2.22	88.8	11.0	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.84	73.6	2.50	2.02	80.8	9.78	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.98	79.2	2.50	2.34	93.6	18.2	18-137	<20
Phenol-d6	0.00	5.00	2.73	54.6	5.00	3.03	60.6	11.0	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	2.76	55.2	5.00	3.15	63.0	14.1	19-122	<20

QC Batch No: 110816KB1; Dup or Spiked Sample: 84113.04; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Acenaphthene	2.50	2.33	93.2	31-137
4-Chloro-3-methylphenol	5.00	5.23	105	40-99
2-Chlorophenol	5.00	4.38	87.6	25-102
1,4-Dichlorobenzene	2.50	2.10	84.0	28-104
2,4-Dinitrotoluene	2.50	2.50	100	28-89
N-Nitroso-Di-n-propylamine	2.50	2.46	98.4	41-126
4-Nitrophenol	5.00	5.26	105	11-114
Pentachlorophenol	5.00	5.25	105	17-125



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## QUALITY CONTROL RESULTS

Page: 115

Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 110816KB1; Dup or Spiked Sample: 84113.04; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	3.95	79.0	26-90						
Pyrene	2.50	2.66	106	35-142						
1,2,4-Trichlorobenzene	2.50	2.41	96.4	38-107						
<b>Surrogates</b>										
2-Fluorophenol	5.00	3.97	79.4	25-121						
2-Fluorobiphenyl	2.50	2.51	100	30-115						
Nitrobenzene-d5	2.50	2.30	92.0	23-120						
p-Terphenyl-D14	2.50	2.70	108	18-137						
Phenol-d6	5.00	4.22	84.4	24-113						
2,4,6-Tribromophenol	5.00	5.04	101	19-122						



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 116

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 110816DB2; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 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
TPH as Diesel (C13-C22)	0.00	500	493	98.6	500	505	101	2.40	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	93.3	93.3	100	95.1	95.1	1.93	75-125	<20

QC Batch No: 110816DB2; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/09/2016;  
 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
TPH as Diesel (C13-C22)	500	463	92.6	500	494	98.8	6.48	75-125	<20
<b>Surrogates</b>									
Chlorobenzene	100	87.5	87.5	100	88.2	88.2	<1	75-125	<20



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## QUALITY CONTROL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 117

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 110916OB1; Dup or Spiked Sample: 85193.01AGA; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/09/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.839	83.9	1.00	0.777	77.7	7.7	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0465	93.0	0.0500	0.0460	92.0	1.1	75-125	<20

QC Batch No: 110916OB1; Dup or Spiked Sample: 85193.01AGA; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/09/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.04	104	1.00	1.02	102	1.9	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	0.0500	0.0459	91.8	0.0500	0.0458	91.6	<1	75-125	<20



# LA Testing

520 Mission Street, South Pasadena, CA 91030  
Phone/Fax: (323) 254-9960 / (323) 254-9982  
<http://www.LATesting.com> [pasadenalab@lateesting.com](mailto:pasadenalab@lateesting.com)

LA Testing Order: 321624997  
CustomerID: 32AETL21  
CustomerPO: 21704-Sub  
ProjectID:


Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**  
  
**Burbank, CA 91504**  
Project: PO # 21704-Sub

Phone: (818) 845-8200  
Fax: (818) 845-8840  
Received: 11/09/16 12:25 PM  
Analysis Date: 11/10/2016  
Collected: 11/7/2016

## Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
85193-01 321624997-0001	Soil	Gray/Black Non-Fibrous Homogeneous	None Detected	
85193-02 321624997-0002	Soil	Gray/Black Non-Fibrous Heterogeneous	None Detected	
85193-03 321624997-0003	Soil	Brown Non-Fibrous Heterogeneous	None Detected	
85193-04 321624997-0004	Soil	Gray Non-Fibrous Heterogeneous	None Detected	
85193-05 321624997-0005	Soil	Gray Non-Fibrous Heterogeneous	None Detected	
85193-06 321624997-0006	Soil	Brown Non-Fibrous Heterogeneous	None Detected	
85193-07 321624997-0007	Soil	Gray Non-Fibrous Heterogeneous	None Detected	
85193-08 321624997-0008	Soil	Gray/Pink Non-Fibrous Heterogeneous	None Detected	
85193-09 321624997-0009	Soil	Brown Non-Fibrous Heterogeneous	None Detected	

Analyst(s)  
Kieu-anh Pham Duong (11)  
Rosa Mendoza (5)

  
Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.  
Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/10/2016 10:09:30

**LA Testing**

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 321624997

CustomerID: 32AETL21

CustomerPO: 21704-Sub

ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

**Burbank, CA 91504**

Project: PO # 21704-Sub

Phone: (818) 845-8200  
 Fax: (818) 845-8840  
 Received: 11/09/16 12:25 PM  
 Analysis Date: 11/10/2016  
 Collected: 11/7/2016

**Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method**

Sample	Description	Appearance	Result	Notes
85193-10 321624997-0010	Soil	Red Non-Fibrous Homogeneous	<b>None Detected</b>	
85193-11 321624997-0011	Soil	Brown/Gray Non-Fibrous Heterogeneous	<b>None Detected</b>	
85193-12 321624997-0012	Soil	Brown Non-Fibrous Heterogeneous	<b>None Detected</b>	
85193-13 321624997-0013	Soil	Gray/Red Non-Fibrous Heterogeneous	<b>None Detected</b>	
85193-14 321624997-0014	Soil	Gray Non-Fibrous Heterogeneous	<b>None Detected</b>	
85193-15 321624997-0015	Soil	Brown Non-Fibrous Heterogeneous	<b>None Detected</b>	
85193-16 321624997-0016	Soil	Tan Non-Fibrous Heterogeneous	<b>None Detected</b>	

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Analyst(s)

*Kieu-anh Pham Duong (11)**Rosa Mendoza (5)*

Jerry Drapala Ph.D, Laboratory Manager  
 or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.  
 Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/10/2016 10:09:30



AETL

**Chain of Custody**  
**LATESTING Order Number (Lab Use Only):**

LATESTING  
 520 MISSION STREET  
 SOUTH PASADENA, CA 91030  
 PHONE: (800) 303-0047  
 FAX: (323) 254-9932

PO # 2/704-Sub

~~6321624997~~

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
85193.01	Soil	2027m	11/07/16 1240
.02			1245
.03			1250
.04			1245
.05			1250
.06			1320
.07			1325
.08			1350
.09			1355
.10			1405
.11			1410
.12			1415
.13			1455
.14			1500
.15			1500
.16			1540

\*Comments/Special Instructions:  
 PLM Present or Absent Test.

9/11/16 1220 - 1 DAY RUSH

Emp Love 11/9/2016  
 12:25 PM



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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

---



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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 16  
Date Received 11/08/2016  
Date Reported 11/29/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: Irwindale, CA

Enclosed please find results of analyses of 16 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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## CHAIN OF CUSTODY RECORD

No 76505

AETL JOB No. **85193**

Page **1** of **2**

COMPANY <b>LACODPW</b>	PROJECT MANAGER <b>CREWRY SENA</b>
COMPANY ADDRESS <b>906 S. FREMONT AVE. ALHAMBRA, CA 91803</b>	PHONE <b>626.458.4923</b>
	FAX <b>626.458.4913</b>
PROJECT NAME <b>CRP PIT #3</b>	PROJECT # <b>EFO2414001</b>
SITE NAME AND ADDRESS <b>CRP PIT #3</b>	PO # <b>17CN-AC008</b>

ANALYSIS REQUESTED										
VOCs	THC	THM	SVECS	CHS	OCPS	OPs	PFAS	PCBs	PAHs	OTHER
X	X	X	X	X	X	X	X	X	X	X

TEST INSTRUCTIONS & COMMENTS
<b>*(16)</b>

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 B1-1	85193.01	11/07/16	12:10	S	5/V	ICE/V
2 B1-2	85193.02		12:15			
3 B1-3	85193.03		12:30			
4 B1-4	85193.04		12:45			
5 B1-5	85193.05		12:50			
6 B1-6	85193.06		13:20			
7 B1-7	85193.07		13:25			
8 B1-8	85193.08		13:50			
9 B1-9	85193.09		13:55			
10 B1-10	85193.10		14:05			
11 B1-11	85193.11		14:10			
12 B1-12	85193.12		14:15			
13 B1-13	85193.13		14:55			
14 B1-14	85193.14		15:00			
15 B1-15	85193.15		15:40			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY			
TOTAL NUMBER OF CONTAINERS	<b>75</b>	PROPERLY COOLED	<b>Y/N/NA</b>
CUSTODY SEALS	<b>Y/N/NA</b>	SAMPLES INTACT	<b>Y/N/NA</b>
RECEIVED IN GOOD COND.	<b>Y/N</b>	SAMPLES ACCEPTED	<b>Y/N</b>
TURN AROUND TIME			
<input type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input checked="" type="checkbox"/> 2 DAYS
		<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> 3 DAYS

RELINQUISHED BY SAMPLER:	RELINQUISHED BY:	RELINQUISHED BY:
1. Signature: <i>[Signature]</i>	2. Signature: <i>[Signature]</i>	3. Signature: <i>[Signature]</i>
Printed Name: <b>CREWRY SENA</b>	Printed Name: <b>[Signature]</b>	Printed Name: <b>[Signature]</b>
Date: <b>11/8/16</b> Time: <b>09:10</b>	Date: <b>11/08/16</b> Time: <b>1415</b>	Date: <b>11/08/16</b> Time: <b>1415</b>
RECEIVED BY: 1. Signature: <i>[Signature]</i>	RECEIVED BY: 2. Signature: <i>[Signature]</i>	RECEIVED BY: 3. Signature: <i>[Signature]</i>
Printed Name: <b>[Signature]</b>	Printed Name: <b>[Signature]</b>	Printed Name: <b>[Signature]</b>
Date: <b>11/8/16</b> Time: <b>0910</b>	Date: <b>11/08/16</b> Time: <b>1415</b>	Date: <b>11/08/16</b> Time: <b>1415</b>



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## CHAIN OF CUSTODY RECORD

No 93474

AETL JOB No. **85193**

Page **2** of **2**

COMPANY <b>LACDDPW</b>	PROJECT MANAGER <b>CREEDY SENA</b>
COMPANY ADDRESS <b>900 S. FRENCH AVE. PLATAMONA, CA 91763</b>	PHONE <b>626.458.4823</b>
	FAX <b>626.458.4813</b>
PROJECT NAME <b>WRP PRT #3</b>	PROJECT # <b>FF02414001</b>
SITE NAME AND ADDRESS <b>WRP PRT #3</b>	PO # <b>17CN-000328</b>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	SVOCs	CHL	OCPI	OP5	ASBESTOS	PCBS	PAHS			
<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>*</b>	<b>*</b>			
<p><i>(Large handwritten scribble covering the table)</i></p>										

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
<b>B1-16</b>	<b>85193-16</b>	<b>11/07/16</b>	<b>15:45</b>	<b>S</b>	<b>51V</b>	<b>ICEN</b>

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				RELINQUISHED BY SAMPLER: <b>1.</b>	RELINQUISHED BY: <b>2.</b>	RELINQUISHED BY: <b>3.</b>
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED Y/N/NA	Signature: <i>[Signature]</i>		Signature:	Signature: <i>[Signature]</i>	
CUSTODY SEALS Y/N/NA	SAMPLES INTACT Y/N/NA	Printed Name: <b>CREEDY SENA</b>		Printed Name:	Printed Name: <b>C. RAMILAS</b>	
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N	Date: <b>11/8/16</b> Time: <b>09:10</b>		Date:	Date: <b>11/08/16</b> Time: <b>1415</b>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: <b>1.</b>	RECEIVED BY: <b>2.</b>	RECEIVED BY LABORATORY: <b>AETL3.</b>
<input type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY	Signature: <i>[Signature]</i>	Signature:	Signature: <i>[Signature]</i>
<input type="checkbox"/> NEXT DAY	<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> PDF	Printed Name: <b>CHRISTOPHER RAMILAS</b>	Printed Name:	Printed Name: <b>Sean Claude</b>
<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	Date: <b>11/8/16</b> Time: <b>0910</b>	Date:	Date: <b>11/08/16</b> Time: <b>1415</b>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

## Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab 900 S. Fremont Ave,  
 4th Floor  
 Alhambra, CA 91803-

Telephone: (626) 458-5100  
 Attention: Gregory Sena

Project ID: EF02414001  
 Date Received 11/08/2016  
 Date Reported 11/28/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 16 samples with the following specification on 11/08/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85193.01	B1-1	11/07/2016	Soil	5
85193.02	B1-2	11/07/2016	Soil	5
85193.03	B1-3	11/07/2016	Soil	5
85193.04	B1-4	11/07/2016	Soil	5
85193.05	B1-5	11/07/2016	Soil	5
85193.06	B1-6	11/07/2016	Soil	5
85193.07	B1-7	11/07/2016	Soil	5
85193.08	B1-8	11/07/2016	Soil	5
85193.09	B1-9	11/07/2016	Soil	5
85193.10	B1-10	11/07/2016	Soil	5
85193.11	B1-11	11/07/2016	Soil	5
85193.12	B1-12	11/07/2016	Soil	5
85193.13	B1-13	11/07/2016	Soil	5
85193.14	B1-14	11/07/2016	Soil	5
85193.15	B1-15	11/07/2016	Soil	5
85193.16	B1-16	11/07/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/10/2016	3	Rush	mg/Kg
(8081A)	11/10/2016	3	Rush	ug/Kg
(8082)	11/10/2016	3	Rush	ug/Kg
(8141A)	11/10/2016	3	Rush	ug/Kg
(8151A)	11/10/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/10/2016	3	Rush	ug/Kg
(8270C)	11/10/2016	3	Rush	mg/Kg
(8310)	11/10/2016	3	Rush	mg/Kg

Continued



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### Ordered By

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Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/08/2016  
Date Reported 11/28/2016

Job Number	Order Date	Client
85193	11/08/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

Method ^ Submethod	Req Date	Priority	TAT	Units
85193.16 B1-16	11/07/2016	Soil		5
(M8015D) ^ C13-C40	11/10/2016	3	Rush	mg/Kg
(M8015G)	11/10/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/10/2016	3	Rush	Percent

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: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Client Sample I.D.				B1-1	B1-2	B1-3	B1-4
Date Sampled				11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016
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
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Chrysene	0.010	0.020	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	ND
Fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Fluorene	0.010	0.020	ND	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	ND	ND	ND	ND
Pyrene	0.010	0.020	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	85193.01	85193.02	85193.03	85193.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125		114	114	109	112	80.8



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### Ordered By

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900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	
Client Sample I.D.			B1-5	B1-6	B1-7	B1-8	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared			11/17/2016	11/17/2016	11/17/2016	11/17/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/18/2016	11/18/2016	11/18/2016	11/18/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(a)pyrene	0.010	0.020	0.0160J	0.0160J	ND	ND	
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Chrysene	0.010	0.020	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	
Acenaphthene	0.010	0.020	ND	ND	ND	ND	
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	
Anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	
Fluoranthene	0.010	0.020	0.0438	0.0325	ND	ND	
Fluorene	0.010	0.020	ND	ND	ND	ND	
Naphthalene	0.010	0.020	ND	ND	ND	ND	
Phenanthrene	0.010	0.020	0.0462	0.0310	ND	ND	
Pyrene	0.010	0.020	0.0428	0.0291	ND	ND	
Our Lab I.D.			85193.05	85193.06	85193.07	85193.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
p-Terphenyl-D14	75-125		115	121	112	112	





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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 4

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85193.09			
Client Sample I.D.			B1-9			
Date Sampled			11/07/2016			
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/18/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.020	0.040	0.120			
Benzo(a)pyrene	0.020	0.040	0.112			
Benzo(b)fluoranthene	0.020	0.040	0.110			
Benzo(k)fluoranthene	0.020	0.040	0.0682			
Chrysene	0.020	0.040	0.192			
Dibenzo(a,h)anthracene	0.020	0.040	ND			
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND			
Acenaphthene	0.020	0.040	ND			
Acenaphthylene	0.020	0.040	ND			
Anthracene	0.020	0.040	ND			
Benzo(g,h,i)perylene	0.020	0.040	ND			
Fluoranthene	0.020	0.040	0.473			
Fluorene	0.020	0.040	ND			
Naphthalene	0.020	0.040	ND			
Phenanthrene	0.020	0.040	0.0991			
Pyrene	0.020	0.040	0.401			
Our Lab I.D.			85193.09			
Surrogates	%Rec.Limit		% Rec.			
p-Terphenyl-D14	75-125		117			



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Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Client Sample I.D.			B1-10	B1-11	B1-12	B1-13	B1-14
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	11/07/2016
Date Prepared			11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016
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
Benzo(a)anthracene	0.010	0.020	ND	0.0156J	ND	0.0828	ND
Benzo(a)pyrene	0.010	0.020	ND	0.0198J	ND	0.0975	ND
Benzo(b)fluoranthene	0.010	0.020	ND	0.0188J	ND	0.105	ND
Benzo(k)fluoranthene	0.010	0.020	ND	0.0107J	ND	0.0644	ND
Chrysene	0.010	0.020	ND	0.0198J	ND	0.135	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	0.0171J	ND	0.0951	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	0.0105J	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	0.0146J	ND	0.0485	ND
Fluoranthene	0.010	0.020	ND	0.0326	ND	0.281	ND
Fluorene	0.010	0.020	ND	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	0.0364	ND	0.0982	ND
Pyrene	0.010	0.020	ND	0.0331	ND	0.234	ND
Our Lab I.D.			85193.10	85193.11	85193.12	85193.13	85193.14
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125		95.3	92.3	75.0	92.0	101



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### Site

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Attn: Gregory Sena

Page: 6

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85193.15	85193.16		
Client Sample I.D.			B1-15	B1-16		
Date Sampled			11/07/2016	11/07/2016		
Date Prepared			11/17/2016	11/17/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/18/2016	11/18/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.010	0.020	ND	ND		
Benzo(a)pyrene	0.010	0.020	ND	ND		
Benzo(b)fluoranthene	0.010	0.020	ND	ND		
Benzo(k)fluoranthene	0.010	0.020	ND	ND		
Chrysene	0.010	0.020	ND	ND		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND		
Acenaphthene	0.010	0.020	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND		
Anthracene	0.010	0.020	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	ND	ND		
Fluoranthene	0.010	0.020	ND	ND		
Fluorene	0.010	0.020	ND	ND		
Naphthalene	0.010	0.020	ND	ND		
Phenanthrene	0.010	0.020	ND	0.0290		
Pyrene	0.010	0.020	ND	ND		
Our Lab I.D.			85193.15	85193.16		
Surrogates	%Rec. Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		89.8	123		



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### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 7

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Client Sample I.D.			B1-1	B1-2	B1-3	B1-4	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85193.01	85193.02	85193.03	85193.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	92.0	105	93.9	90.4	93.0	
Tetrachloro-m-xylene	30-150	58.4	102	108	94.8	91.8	



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### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.			85193.05			
Client Sample I.D.			B1-5			
Date Sampled			11/07/2016			
Date Prepared			11/08/2016			
Preparation Method			3550B			
Date Analyzed			11/09/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	50	100	ND			
Aroclor-1221 (PCB-1221)	50	100	ND			
Aroclor-1232 (PCB-1232)	50	100	ND			
Aroclor-1242 (PCB-1242)	50	100	ND			
Aroclor-1248 (PCB-1248)	50	100	ND			
Aroclor-1254 (PCB-1254)	50	100	1,630			
Aroclor-1260 (PCB-1260)	50	100	112			
Aroclor-1262 (PCB-1262)	50	100	ND			
Aroclor-1268 (PCB-1268)	50	100	ND			
Our Lab I.D.			85193.05			
Surrogates	%Rec.Limit		% Rec.			
Decachlorobiphenyl	30-150		92.0			
Tetrachloro-m-xylene	30-150		90.0			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.			85193.06	85193.07	85193.08		
Client Sample I.D.			B1-6	B1-7	B1-8		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	25.0	50.0	1,480	ND	236		
Aroclor-1260 (PCB-1260)	25.0	50.0	58.1	ND	ND		
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND		
Our Lab I.D.			85193.06	85193.07	85193.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		89.8	96.4	100		
Tetrachloro-m-xylene	30-150		104	99.6	104		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.		85193.09			
Client Sample I.D.		B1-9			
Date Sampled		11/07/2016			
Date Prepared		11/08/2016			
Preparation Method		3550B			
Date Analyzed		11/09/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85193.09: Analyzed under dilution due to matrix interference

Our Lab I.D.		85193.09			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	81.4			
Tetrachloro-m-xylene	30-150	82.9			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.			85193.10	85193.11	85193.12		
Client Sample I.D.			B1-10	B1-11	B1-12		
Date Sampled			11/07/2016	11/07/2016	11/07/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/09/2016	11/09/2016	11/09/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND		
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND		
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND		
Our Lab I.D.			85193.10	85193.11	85193.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		81.8	96.8	96.0		
Tetrachloro-m-xylene	30-150		76.0	98.4	101		





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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.		85193.13			
Client Sample I.D.		B1-13			
Date Sampled		11/07/2016			
Date Prepared		11/08/2016			
Preparation Method		3550B			
Date Analyzed		11/09/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85193.13: Analyzed under dilution due to matrix interference

Our Lab I.D.		85193.13			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	79.0			
Tetrachloro-m-xylene	30-150	77.4			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.			85193.14	85193.15			
Client Sample I.D.			B1-14	B1-15			
Date Sampled			11/07/2016	11/07/2016			
Date Prepared			11/08/2016	11/08/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/09/2016	11/09/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND			
Our Lab I.D.			85193.14	85193.15			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		87.8	83.6			
Tetrachloro-m-xylene	30-150		86.6	79.4			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816

Our Lab I.D.		85193.16				
Client Sample I.D.		B1-16				
Date Sampled		11/07/2016				
Date Prepared		11/08/2016				
Preparation Method		3550B				
Date Analyzed		11/09/2016				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		2				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	50	100	ND			
Aroclor-1221 (PCB-1221)	50	100	ND			
Aroclor-1232 (PCB-1232)	50	100	ND			
Aroclor-1242 (PCB-1242)	50	100	ND			
Aroclor-1248 (PCB-1248)	50	100	ND			
Aroclor-1254 (PCB-1254)	50	100	ND			
Aroclor-1260 (PCB-1260)	50	100	ND			
Aroclor-1262 (PCB-1262)	50	100	ND			
Aroclor-1268 (PCB-1268)	50	100	ND			

Comment(s):

85193.16: Analyzed under dilution due to matrix interference

Our Lab I.D.		85193.16				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	77.8				
Tetrachloro-m-xylene	30-150	88.2				



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### Site

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.00	0.0500	0.0515	103	0.0500	0.0447	89.4	14.1	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0486	97.2	0.0500	0.0460	92.0	5.5	75-125	<20
Naphthalene	0.00	0.500	0.540	108	0.500	0.455	91.0	17.1	75-125	<20
<b>Surrogates</b>										
p-Terphenyl-D14	0.00	0.400	0.323	80.8	0.400	0.444	111	31.5	75-125	<20

QC Batch No: 111716IB1; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.0500	0.0455	91.0	0.0500	0.0445	89.0	2.2	75-125	<20
Benzo(a)pyrene	0.0500	0.0437	87.4	0.0500	0.0459	91.8	4.9	75-125	<20
Naphthalene	0.500	0.429	85.8	0.500	0.450	90.0	4.8	75-125	<20
<b>LCS</b>									
Acenaphthene	0.500	0.420	83.2	0.500	0.440	87.4	4.9	75-125	<20
Acenaphthylene	1.00	0.890	89.0	1.00	0.920	92.2	3.5	75-125	<20
Anthracene	0.0500	0.0400	88.6	0.0500	0.0500	91.2	2.9	75-125	<20
Benzo(b)fluoranthene	0.100	0.0900	91.6	0.100	0.0900	93.1	1.6	75-125	<20
Benzo(g,h,i)perylene	0.100	0.0800	81.9	0.100	0.0900	88.4	7.6	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0500	91.8	0.0500	0.0500	96.8	5.3	75-125	<20
Chrysene	0.0500	0.0500	91.4	0.0500	0.0400	87.8	4.0	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.0900	89.8	0.100	0.0900	86.7	3.5	75-125	<20
Fluoranthene	0.100	0.0900	86.7	0.100	0.0900	93.6	7.7	75-125	<20
Fluorene	0.100	0.0800	78.8	0.100	0.0900	85.3	7.9	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0500	92.0	0.0500	0.0500	93.8	1.9	75-125	<20
Phenanthrene	0.0500	0.0400	88.2	0.0500	0.0500	90.0	2.0	75-125	<20
Pyrene	0.0500	0.0400	85.2	0.0500	0.0400	83.4	2.1	75-125	<20
<b>Surrogates</b>									
p-Terphenyl-D14	0.400	0.444	111	0.400	0.464	116	4.4	75-125	<20



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## QUALITY CONTROL RESULTS

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### Site

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85193	11/08/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 110816; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/22/2016;  
 Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	307	61.4	500	343	68.6	11.1	50-150	<20
Aroclor-1260 (PCB-1260)	0.00	500	418	83.6	500	415	83.0	<1	50-150	<20
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	48.5	97.0	50.0	59.0	118	19.5	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	40.9	81.8	50.0	47.5	95.0	14.9	30-150	<20

QC Batch No: 110816; Dup or Spiked Sample: 85193.03; LCS: Clean Sand; QC Prepared: 11/08/2016; QC Analyzed: 11/22/2016;  
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	362	72.4	50-150						
Aroclor-1260 (PCB-1260)	500	510	102	50-150						
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	62.5	125	30-150						
Tetrachloro-m-xylene	50.0	49.5	99.0	30-150						



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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

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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 8  
Date Received 11/08/2016  
Date Reported 11/28/2016

Job Number	Order Date	Client
85400	11/21/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: Irwindale, CA

Enclosed please find results of analyses of 3 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director





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## CHAIN OF CUSTODY RECORD

85397  
85400  
85193

No 76505

Page 1 of 2

**COMPANY** LACDPW **PROJECT MANAGER** GREGORY SENA  
**COMPANY ADDRESS** 908 S. FREMONT AVE., ALHAMBRA, CA 91803 **PHONE** 626.458.4923  
**PROJECT NAME** CRP PIT #3 **FAX** 626.458.4913  
**SITE NAME AND ADDRESS** CRP PIT #3 **PROJECT #** ET-02414001  
**PO #** 17CN-ACC385

AETL JOB No.

ANALYSIS REQUESTED											TEST INSTRUCTIONS & COMMENTS
VOCs	TRICHS	TPH-CC	SVOCs	CHS	OCPS	OP's	ARBESTS	TCLP	STLC/TCLP Lead		
X	X	X	X	X	X	X	X	X	X	X	(3) - 11/21 3DAYS             (3) 85397-01 85400-01 (3) 85397-02 85400-02            (3) 85397-03 85400-03

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B1-1	85193.01	11/07/16	12:10	5	5/V ICE/V
2	B1-2	85193.02		12:15		
3	B1-3	85193.03		12:30		
4	B1-4	85193.04		12:45		
5	B1-5	85193.05		12:50		
6	B1-6	85193.06		13:20		
7	B1-7	85193.07		13:25		
8	B1-8	85193.08		13:50		
9	B1-9	85193.09		13:55		
10	B1-10	85193.10		14:05		
11	B1-11	85193.11		14:10		
12	B1-12	85193.12		14:15		
13	B1-13	85193.13		14:55		
14	B1-14	85193.14		15:00		
15	B1-15	85193.15		15:40		

**SAMPLE RECEIPT - TO BE FILLED BY LABORATORY**

TOTAL NUMBER OF CONTAINERS: 75  
 CUSTODY SEALS: Y/N/NA  
 RECEIVED IN GOOD COND.: Y/N

PROPERLY COOLED: Y/N/NA  
 SAMPLES INTACT: Y/N/NA  
 SAMPLES ACCEPTED: Y/N

TURN AROUND TIME:  
 NORMAL  
 RUSH  
 SAME DAY  
 NEXT DAY  
 2 DAYS  
 3 DAYS

RELINQUISHED BY SAMPLER: 1. Signature: [Signature] Printed Name: GREGORY SENA Date: 11/8/16 Time: 09:10	RELINQUISHED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: [Date] Time: [Time]	RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Signature] Date: 11/08/16 Time: 14:15
RECEIVED BY: 1. Signature: [Signature] Printed Name: [Signature] Date: 11/8/16 Time: 09:10	RECEIVED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: [Date] Time: [Time]	RECEIVED BY LABORATORY: AETL 3. Signature: [Signature] Printed Name: Jean Claude Date: 11/08/16 Time: 14:15

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/08/2016  
Date Reported 11/28/2016

Job Number	Order Date	Client
85400	11/21/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 11/21/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
85400.01	B1-11	11/07/2016	Soil	5	
85400.02	B1-12	11/07/2016	Soil	5	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010/7000TCLP) ^ PB	11/24/2016	4	Rush	mg/L
	(6010B-STLC) ^ STLC-PB	11/24/2016	4	Rush	mg/L
85400.03	B1-14	11/07/2016	Soil	5	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010/7000TCLP) ^ PB	11/24/2016	4	Rush	mg/L
	(6010B-STLC) ^ STLC-PB	11/24/2016	4	Rush	mg/L
	8081A ^ TCLP-CHLOR	11/24/2016	4	Rush	ug/L

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: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: 8081A, TCLP Chlordane by GC/ECD

QC Batch No: 112816

<b>Our Lab I.D.</b>			Method Blank	<b>85400.03</b>		
Client Sample I.D.				B1-14		
Date Sampled				11/07/2016		
Date Prepared			11/28/2016	11/28/2016		
Preparation Method			1311	1311		
Date Analyzed			11/28/2016	11/28/2016		
Matrix			Soil	Soil		
Units			ug/L	ug/L		
Dilution Factor			1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Chlordane (Total)	0.50	1.00	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	<b>85400.03</b>		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>		
Decachlorobiphenyl	30-150		88.6	88.6		
Tetrachloro-m-xylene	30-150		84.6	84.6		



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## ANALYTICAL RESULTS

**Ordered By**

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GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

**Site**

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1123162C3

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			11/23/2016				
Preparation Method			1311				
Date Analyzed			11/28/2016				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead (TCLP)	0.05	0.10	ND				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 4

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1123162C3

Our Lab I.D.		85400.01	85400.02	85400.03		
Client Sample I.D.		B1-11	B1-12	B1-14		
Date Sampled		11/07/2016	11/07/2016	11/07/2016		
Date Prepared		11/23/2016	11/23/2016	11/23/2016		
Preparation Method		1311	1311	1311		
Date Analyzed		11/28/2016	11/28/2016	11/28/2016		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		10	10	10		
Analytes	MDL	PQL	Results	Results	Results	
Lead (TCLP)	0.50	1.00	ND	ND	ND	

### Comment(s):

85400.01: Analyzed under dilution due to matrix interference 85400.02: Analyzed under dilution due to matrix interference 85400.03: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1123162C2

Our Lab I.D.		Method Blank	85400.01	85400.02	85400.03	
Client Sample I.D.			B1-11	B1-12	B1-14	
Date Sampled			11/07/2016	11/07/2016	11/07/2016	
Date Prepared		11/23/2016	11/23/2016	11/23/2016	11/23/2016	
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	
Date Analyzed		11/28/2016	11/28/2016	11/28/2016	11/28/2016	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead (STLC)	0.05	0.10	ND	1.58	1.84	0.357



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 6

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1123162C3; Dup or Spiked Sample: 85400.01; LCS: Clean Sand; LCS Prepared: 11/23/2016; LCS Analyzed: 11/28/2016;  
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	ND	ND	<1	<20						

QC Batch No: 1123162C3; Dup or Spiked Sample: 85400.01; LCS: Clean Sand; LCS Prepared: 11/23/2016; LCS Analyzed: 11/28/2016;  
 Units: mg/L

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 (TCLP)	10.0	9.03	90.3	10.0	9.06	90.6	<1	80-120	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 7

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1123162C2; Dup or Spiked Sample: 85400.01; LCS: Clean Sand; LCS Prepared: 11/23/2016; LCS Analyzed: 11/28/2016;  
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	1.58	1.55	1.9	<20						

QC Batch No: 1123162C2; Dup or Spiked Sample: 85400.01; LCS: Clean Sand; LCS Prepared: 11/23/2016; LCS Analyzed: 11/28/2016;  
 Units: mg/L

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 (STLC)	10.0	9.04	90.4	10.0	9.08	90.8	<1	80-120	<15	





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## QUALITY CONTROL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 8

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85400	11/08/2016	LACDPW

Method: 8081A, TCLP Chlordane by GC/ECD

QC Batch No: 112816; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/28/2016; Units: ug/L

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Aldrin	0.400	0.375	93.8	0.400	0.356	89.0	5.3	40-140	<30	
4,4'-DDT (DDT)	1.00	0.892	89.2	1.00	0.959	95.9	7.2	40-140	<30	
Dieldrin	1.00	0.917	91.7	1.00	0.890	89.0	3.0	40-140	<30	
Endrin	1.00	0.981	98.1	1.00	0.925	92.5	5.9	40-140	<30	
Heptachlor	0.400	0.416	104	0.400	0.390	97.5	6.5	40-140	<30	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.400	0.359	89.8	0.400	0.385	96.3	7.0	40-140	<30	
<b>Surrogates</b>										
Decachlorobiphenyl	1.00	0.723	72.3	1.00	0.732	73.2	1.2	30-150	<20	
Tetrachloro-m-xylene	1.00	0.800	80.0	1.00	0.750	75.0	6.5	30-150	<20	



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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

---



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### Ordered By

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4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 87  
Date Received 11/09/2016  
Date Reported 11/14/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

Project ID: EF02414001  
Project Name: CCRP PIT #3  
Site: CCRP PIT #3  
Irwindale, CA

Enclosed please find results of analyses of 12 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 4 pages

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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## CHAIN OF CUSTODY RECORD

No 98663

AETL JOB No. 85208

Page 1 of 1

COMPANY <i>LACUDPW</i>	PROJECT MANAGER <i>CREGGY SENA</i>
COMPANY ADDRESS <i>900 S. FREMONT AVE ALHAMBRA, CA 91803</i>	PHONE <i>626.458.4823</i>
PROJECT NAME <i>URP PIT #3</i>	FAX <i>626.458.4813</i>
SITE NAME AND ADDRESS <i>URP PIT #3</i>	PROJECT # <i>EF02414001</i>
	PO # <i>170N-170038</i>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	THRE & METALS	TRH-CU	SVOCs	CHs	OCs	OPs	ASBESTOS	GC/IR	GC/MS	
X	X	X	X	X	X	X	X	X	X	

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 <i>B1-17</i>	<i>85208.01</i>	<i>11/8/16</i>	<i>08:20</i>	<i>S</i>	<i>5 / V</i>	<i>ICEPV</i>
2 <i>B1-18</i>	<i>85208.02</i>		<i>09:15</i>			
3 <i>B1-19</i>	<i>85208.03</i>		<i>09:20</i>			
4 <i>B1-20</i>	<i>85208.04</i>		<i>10:20</i>			
5 <i>B1-21</i>	<i>85208.05</i>		<i>10:25</i>			
6 <i>B1-22</i>	<i>85208.06</i>		<i>11:00</i>			
7 <i>B1-23</i>	<i>85208.07</i>		<i>11:05</i>			
8 <i>B1-24</i>	<i>85208.08</i>		<i>13:10</i>			
9 <i>B1-25</i>	<i>85208.09</i>		<i>13:20</i>			
10 <i>B1-26</i>	<i>85208.10</i>		<i>13:50</i>			
11 <i>B1-27</i>	<i>85208.11</i>		<i>14:00</i>			
12 <i>B1-28</i>	<i>85208.12</i>		<i>14:10</i>			
13						
14						
15						

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				<b>RELINQUISHED BY SAMPLER:</b> 1.	<b>RELINQUISHED BY:</b> 2.	<b>RELINQUISHED BY:</b> 3.
TOTAL NUMBER OF CONTAINERS <i>60</i>	PROPERLY COOLED Y/N/NA <i>Y</i>			Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
CUSTODY SEALS Y/N/NA <i>Y</i>	SAMPLES INTACT Y/N/NA <i>Y</i>			Printed Name: <i>CREGGY SENA</i>	Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>
RECEIVED IN GOOD COND. Y/N <i>Y</i>	SAMPLES ACCEPTED Y/N <i>Y</i>			Date: <i>11/9/16</i> Time: <i>08:00</i>	Date: _____ Time: _____	Date: <i>11/9/16</i> Time: <i>11:12</i>
<b>TURN AROUND TIME</b>		<b>DATA DELIVERABLE REQUIRED</b>		<b>RECEIVED BY:</b> 1.	<b>RECEIVED BY:</b> 2.	<b>RECEIVED BY LABORATORY:</b> 3.
<input type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> HARD COPY	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
<input type="checkbox"/> NEXT DAY	<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> PDF	Printed Name: <i>CHRISTOPHER PARRILLO</i>	Printed Name: _____	Printed Name: <i>[Signature]</i>
			<input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____	Date: <i>11/9/16</i> Time: <i>0806</i>	Date: _____ Time: _____	Date: <i>11/09/16</i> Time: <i>11:12</i>
			<input type="checkbox"/> OTHER (PLEASE SPECIFY) _____			



# American Environmental Testing Laboratory Inc.

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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/09/2016  
Date Reported 11/14/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 12 samples with the following specification on 11/09/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85208.01	B1-17	11/08/2016	Soil	5
85208.02	B1-18	11/08/2016	Soil	5
85208.03	B1-19	11/08/2016	Soil	5
85208.04	B1-20	11/08/2016	Soil	5
85208.05	B1-21	11/08/2016	Soil	5
85208.06	B1-22	11/08/2016	Soil	5
85208.07	B1-23	11/08/2016	Soil	5
85208.08	B1-24	11/08/2016	Soil	5
85208.09	B1-25	11/08/2016	Soil	5
85208.10	B1-26	11/08/2016	Soil	5
85208.11	B1-27	11/08/2016	Soil	5
85208.12	B1-28	11/08/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/11/2016	3	Rush	mg/Kg
(8081A)	11/11/2016	3	Rush	ug/Kg
(8141A)	11/11/2016	3	Rush	ug/Kg
(8151A)	11/11/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/11/2016	3	Rush	ug/Kg
(8270C)	11/11/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/11/2016	3	Rush	mg/Kg
(M8015G)	11/11/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/11/2016	3	Rush	Percent

Continued



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Page: 1 B

## Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100

Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/09/2016  
Date Reported 11/14/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	
Client Sample I.D.				B1-17	B1-18	B1-19	
Date Sampled				11/08/2016	11/08/2016	11/08/2016	
Date Prepared			11/09/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	





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## ANALYTICAL RESULTS

Page: 3

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	
Client Sample I.D.				B1-17	B1-18	B1-19	
Date Sampled				11/08/2016	11/08/2016	11/08/2016	
Date Prepared			11/09/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	1.47J	1.20J	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	
Client Sample I.D.			B1-17	B1-18	B1-19	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	
Date Prepared		11/09/2016	11/08/2016	11/08/2016	11/08/2016	
Preparation Method		5030	5035A	5035A	5035A	
Date Analyzed		11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	97.3	94.1	104	105	
Dibromofluoromethane	75-125	116	118	114	113	
Toluene-d8	75-125	96.8	95.8	97.3	98.8	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

CCRP PIT #3  
Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			Method Blank	85208.04		
Client Sample I.D.				B1-20		
Date Sampled				11/08/2016		
Date Prepared			11/10/2016	11/08/2016		
Preparation Method			5030	5035A		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

Page: 6

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

Our Lab I.D.			Method Blank	85208.04			
Client Sample I.D.				B1-20			
Date Sampled				11/08/2016			
Date Prepared			11/10/2016	11/08/2016			
Preparation Method			5030	5035A			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	2.36J			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			



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## ANALYTICAL RESULTS

Page: 7

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1

<b>Our Lab I.D.</b>			Method Blank	<b>85208.04</b>			
Client Sample I.D.				B1-20			
Date Sampled				11/08/2016			
Date Prepared			11/10/2016	11/08/2016			
Preparation Method			5030	5035A			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
tert-Butyl alcohol (TBA)	20	500	ND	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND			
Ethyl alcohol (Ethanol)	100	500	ND	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND			
<b>Our Lab I.D.</b>			Method Blank	<b>85208.04</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>			
Bromofluorobenzene	75-125		103	124			
Dibromofluoromethane	75-125		112	116			
Toluene-d8	75-125		112	121			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 8

Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Client Sample I.D.			B1-21	B1-22	B1-23	B1-24	B1-25
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	1.14J	1.12J	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Client Sample I.D.			B1-21	B1-22	B1-23	B1-24	B1-25
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	1.36J	1.33J	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Client Sample I.D.			B1-21	B1-22	B1-23	B1-24	B1-25
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/09/2016	11/09/2016	11/09/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		106	105	112	110	105
Dibromofluoromethane	75-125		112	113	113	120	117
Toluene-d8	75-125		99.5	101	104	106	105





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 11

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND		
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND		
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND		
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND		
Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		104	101	106		
Dibromofluoromethane	75-125		122	121	114		
Toluene-d8	75-125		108	107	110		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B2

<b>Our Lab I.D.</b>			Method Blank	<b>85208.01</b>	<b>85208.02</b>	<b>85208.03</b>	<b>85208.04</b>
Client Sample I.D.				B1-17	B1-18	B1-19	B1-20
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/09/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	0.143J
<b>Our Lab I.D.</b>			Method Blank	<b>85208.01</b>	<b>85208.02</b>	<b>85208.03</b>	<b>85208.04</b>
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>
Bromofluorobenzene	75-125		94.8	99.2	98.4	95.2	93.8



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 15

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1109160B2

Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Client Sample I.D.			B1-21	B1-22	B1-23	B1-24	B1-25
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		83.0	95.0	95.2	95.2	97.0



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

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 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 110916OB2

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/08/2016	11/08/2016	11/08/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		97.0	101	100		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111016DB1

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04	
Client Sample I.D.			B1-17	B1-18	B1-19	B1-20	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Date Prepared		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
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
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	15.8
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	15.8
Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	106	96.5	96.6	96.8	95.3	



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111016DB1

Our Lab I.D.			85208.05	85208.06		
Client Sample I.D.			B1-21	B1-22		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	14.5		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	14.5		
Our Lab I.D.			85208.05	85208.06		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		97.7	97.5		





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CCRP PIT #3  
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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111016DB1

Our Lab I.D.			85208.07	85208.08		
Client Sample I.D.			B1-23	B1-24		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			2	2		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	2.0	10	43.2	104		
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	749	1,640		
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	792	1,740		
Our Lab I.D.			85208.07	85208.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		95.0	91.0		



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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111016DB1

Our Lab I.D.			85208.09	85208.10	85208.11	85208.12	
Client Sample I.D.			B1-25	B1-26	B1-27	B1-28	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	32.2	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	460	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	492	ND	ND	ND	
Our Lab I.D.			85208.09	85208.10	85208.11	85208.12	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		95.0	98.6	96.7	95.9	



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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			Method Blank	85208.01		
Client Sample I.D.				B1-17		
Date Sampled				11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.25	0.50	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND		
Anthracene	0.25	0.50	ND	ND		
Azobenzene	0.25	0.50	ND	ND		
Benzidine	0.25	0.50	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND		
Chrysene	0.25	0.50	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND		
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			Method Blank	85208.01			
Client Sample I.D.				B1-17			
Date Sampled				11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	0.25	0.50	ND	ND			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

<b>Our Lab I.D.</b>			Method Blank	<b>85208.01</b>			
Client Sample I.D.				B1-17			
Date Sampled				11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>			
Pentachlorophenol	0.25	0.50	ND	ND			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
<b>Our Lab I.D.</b>			Method Blank	<b>85208.01</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>			
2-Fluorophenol	25-121		97.0	55.6			
2-Fluorobiphenyl	30-115		104	92.0			
Nitrobenzene-d5	23-120		95.2	85.6			
Phenol-d6	21-113		89.0	80.4			
p-Terphenyl-D14	18-137		101	98.0			
2,4,6-Tribromophenol	19-122		74.4	78.8			



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### Site

CCRP PIT #3  
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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.02	85208.03	85208.04		
Client Sample I.D.			B1-18	B1-19	B1-20		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.50	1.00	ND	ND	ND		
Acenaphthylene	0.50	1.00	ND	ND	ND		
Anthracene	0.50	1.00	ND	ND	ND		
Azobenzene	0.50	1.00	ND	ND	ND		
Benzidine	0.50	1.00	ND	ND	ND		
Benzo(a)anthracene	0.50	1.00	ND	ND	ND		
Benzo(a)pyrene	0.50	1.00	ND	ND	ND		
Benzo(b)fluoranthene	0.50	1.00	ND	ND	ND		
Benzo(g,h,i)perylene	0.50	1.00	ND	ND	ND		
Benzo(k)fluoranthene	0.50	1.00	ND	ND	ND		
Benzoic Acid	0.50	1.00	ND	ND	ND		
Benzyl Alcohol	0.50	1.00	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.50	1.00	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.50	1.00	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.50	1.00	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.50	1.00	ND	ND	ND		
4-Bromophenyl phenyl ether	0.50	1.00	ND	ND	ND		
Butyl benzyl phthalate	0.50	1.00	ND	ND	ND		
4-Chloro-3-methylphenol	0.50	1.00	ND	ND	ND		
4-Chloroaniline	0.50	1.00	ND	ND	ND		
2-Chloronaphthalene	0.50	1.00	ND	ND	ND		
2-Chlorophenol	0.50	1.00	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.50	1.00	ND	ND	ND		
Chrysene	0.50	1.00	ND	ND	ND		
Di-n-butyl phthalate	0.50	1.00	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.50	1.00	ND	ND	ND		
Dibenzo(a,h)anthracene	0.50	1.00	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.02	85208.03	85208.04		
Client Sample I.D.			B1-18	B1-19	B1-20		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	0.50	1.00	ND	ND	ND		
1,2-Dichlorobenzene	0.50	1.00	ND	ND	ND		
1,3-Dichlorobenzene	0.50	1.00	ND	ND	ND		
1,4-Dichlorobenzene	0.50	1.00	ND	ND	ND		
3,3'-Dichlorobenzidine	0.50	1.00	ND	ND	ND		
2,4-Dichlorophenol	0.50	1.00	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.50	1.00	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.50	1.00	ND	ND	ND		
2,4-Dimethylphenol	0.50	1.00	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.50	1.00	ND	ND	ND		
2,4-Dinitrophenol	0.50	1.00	ND	ND	ND		
2,4-Dinitrotoluene	0.50	1.00	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.50	1.00	ND	ND	ND		
Fluoranthene	0.50	1.00	ND	ND	ND		
Fluorene	0.50	1.00	ND	ND	ND		
Hexachlorobenzene	0.50	1.00	ND	ND	ND		
Hexachlorobutadiene	0.50	1.00	ND	ND	ND		
Hexachlorocyclopentadiene	0.50	1.00	ND	ND	ND		
Hexachloroethane	0.50	1.00	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.50	1.00	ND	ND	ND		
Isophorone	0.50	1.00	ND	ND	ND		
2-Methylnaphthalene	0.50	1.00	ND	ND	ND		
4-Methylphenol	0.50	1.00	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.50	1.00	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.50	1.00	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.50	1.00	ND	ND	ND		
Naphthalene	0.50	1.00	ND	ND	ND		
2-Nitroaniline	0.50	1.00	ND	ND	ND		
3-Nitroaniline	0.50	1.00	ND	ND	ND		
4-Nitroaniline	0.50	1.00	ND	ND	ND		
Nitrobenzene (NB)	0.50	1.00	ND	ND	ND		
4-Nitrophenol	0.50	1.00	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.50	1.00	ND	ND	ND		
N-nitrosodiphenylamine	0.50	1.00	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.02	85208.03	85208.04		
Client Sample I.D.			B1-18	B1-19	B1-20		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
Pentachlorophenol	0.50	1.00	ND	ND	ND		
Phenanthrene	0.50	1.00	ND	ND	ND		
Phenol	0.50	1.00	ND	ND	ND		
Pyrene	0.50	1.00	ND	ND	ND		
1,2,4-Trichlorobenzene	0.50	1.00	ND	ND	ND		
2,4,5-Trichlorophenol	0.50	1.00	ND	ND	ND		
2,4,6-Trichlorophenol	0.50	1.00	ND	ND	ND		
Our Lab I.D.			85208.02	85208.03	85208.04		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121		26.8	39.2	51.8		
2-Fluorobiphenyl	30-115		80.0	90.4	94.4		
Nitrobenzene-d5	23-120		74.8	80.8	80.8		
Phenol-d6	21-113		53.6	65.2	71.8		
p-Terphenyl-D14	18-137		95.2	97.6	100		
2,4,6-Tribromophenol	19-122		10.0 S6	15.0 S6	25.2		





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 27

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.05	85208.06			
Client Sample I.D.			B1-21	B1-22			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/11/2016	11/11/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			4	4			
Analytes	MDL	PQL	Results	Results			
Acenaphthene	1.00	2.00	ND	ND			
Acenaphthylene	1.00	2.00	ND	ND			
Anthracene	1.00	2.00	ND	ND			
Azobenzene	1.00	2.00	ND	ND			
Benzidine	1.00	2.00	ND	ND			
Benzo(a)anthracene	1.00	2.00	ND	ND			
Benzo(a)pyrene	1.00	2.00	ND	ND			
Benzo(b)fluoranthene	1.00	2.00	ND	ND			
Benzo(g,h,i)perylene	1.00	2.00	ND	ND			
Benzo(k)fluoranthene	1.00	2.00	ND	ND			
Benzoic Acid	1.00	2.00	ND	ND			
Benzyl Alcohol	1.00	2.00	ND	ND			
Bis(2-Chloroethoxy)methane	1.00	2.00	ND	ND			
Bis(2-Chloroethyl)ether	1.00	2.00	ND	ND			
Bis(2-chloroisopropyl) ether	1.00	2.00	ND	ND			
Bis(2-ethylhexyl) phthalate	1.00	2.00	5.68	1.46J			
4-Bromophenyl phenyl ether	1.00	2.00	ND	ND			
Butyl benzyl phthalate	1.00	2.00	ND	ND			
4-Chloro-3-methylphenol	1.00	2.00	ND	ND			
4-Chloroaniline	1.00	2.00	ND	ND			
2-Chloronaphthalene	1.00	2.00	ND	ND			
2-Chlorophenol	1.00	2.00	ND	ND			
4-Chlorophenyl phenyl ether	1.00	2.00	ND	ND			
Chrysene	1.00	2.00	ND	ND			
Di-n-butyl phthalate	1.00	2.00	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND	ND			
Dibenzo(a,h)anthracene	1.00	2.00	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.05	85208.06			
Client Sample I.D.			B1-21	B1-22			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/11/2016	11/11/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			4	4			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	1.00	2.00	ND	ND			
1,2-Dichlorobenzene	1.00	2.00	ND	ND			
1,3-Dichlorobenzene	1.00	2.00	ND	ND			
1,4-Dichlorobenzene	1.00	2.00	ND	ND			
3,3'-Dichlorobenzidine	1.00	2.00	ND	ND			
2,4-Dichlorophenol	1.00	2.00	ND	ND			
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND	ND			
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND	ND			
2,4-Dimethylphenol	1.00	2.00	ND	ND			
4,6-Dinitro-2-methylphenol	1.00	2.00	ND	ND			
2,4-Dinitrophenol	1.00	2.00	ND	ND			
2,4-Dinitrotoluene	1.00	2.00	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND	ND			
Fluoranthene	1.00	2.00	ND	ND			
Fluorene	1.00	2.00	ND	ND			
Hexachlorobenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene	1.00	2.00	ND	ND			
Hexachlorocyclopentadiene	1.00	2.00	ND	ND			
Hexachloroethane	1.00	2.00	ND	ND			
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND	ND			
Isophorone	1.00	2.00	ND	ND			
2-Methylnaphthalene	1.00	2.00	ND	ND			
4-Methylphenol	1.00	2.00	ND	ND			
2-Methylphenol (2-Cresol)	1.00	2.00	ND	ND			
3-Methylphenol (3-Cresol)	1.00	2.00	ND	ND			
N-Nitroso-Di-n-propylamine	1.00	2.00	ND	ND			
Naphthalene	1.00	2.00	ND	ND			
2-Nitroaniline	1.00	2.00	ND	ND			
3-Nitroaniline	1.00	2.00	ND	ND			
4-Nitroaniline	1.00	2.00	ND	ND			
Nitrobenzene (NB)	1.00	2.00	ND	ND			
4-Nitrophenol	1.00	2.00	ND	ND			
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND	ND			
N-nitrosodiphenylamine	1.00	2.00	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.05	85208.06			
Client Sample I.D.			B1-21	B1-22			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/11/2016	11/11/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			4	4			
Analytes	MDL	PQL	Results	Results			
Pentachlorophenol	1.00	2.00	ND	ND			
Phenanthrene	1.00	2.00	ND	ND			
Phenol	1.00	2.00	ND	ND			
Pyrene	1.00	2.00	ND	ND			
1,2,4-Trichlorobenzene	1.00	2.00	ND	ND			
2,4,5-Trichlorophenol	1.00	2.00	ND	ND			
2,4,6-Trichlorophenol	1.00	2.00	ND	ND			
Our Lab I.D.			85208.05	85208.06			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
2-Fluorophenol	25-121		62.4	63.0			
2-Fluorobiphenyl	30-115		89.2	82.4			
Nitrobenzene-d5	23-120		78.4	99.6			
Phenol-d6	21-113		74.4	70.0			
p-Terphenyl-D14	18-137		103	97.6			
2,4,6-Tribromophenol	19-122		31.6	52.4			



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 30

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.07	85208.08			
Client Sample I.D.			B1-23	B1-24			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/11/2016	11/11/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			80	80			
Analytes	MDL	PQL	Results	Results			
Acenaphthene	20	40	ND	ND			
Acenaphthylene	20	40	ND	ND			
Anthracene	20	40	ND	ND			
Azobenzene	20	40	ND	ND			
Benzidine	20	40	ND	ND			
Benzo(a)anthracene	20	40	ND	ND			
Benzo(a)pyrene	20	40	ND	ND			
Benzo(b)fluoranthene	20	40	ND	ND			
Benzo(g,h,i)perylene	20	40	ND	ND			
Benzo(k)fluoranthene	20	40	ND	ND			
Benzoic Acid	20	40	ND	ND			
Benzyl Alcohol	20	40	ND	ND			
Bis(2-Chloroethoxy)methane	20	40	ND	ND			
Bis(2-Chloroethyl)ether	20	40	ND	ND			
Bis(2-chloroisopropyl) ether	20	40	ND	ND			
Bis(2-ethylhexyl) phthalate	20	40	ND	ND			
4-Bromophenyl phenyl ether	20	40	ND	ND			
Butyl benzyl phthalate	20	40	ND	ND			
4-Chloro-3-methylphenol	20	40	ND	ND			
4-Chloroaniline	20	40	ND	ND			
2-Chloronaphthalene	20	40	ND	ND			
2-Chlorophenol	20	40	ND	ND			
4-Chlorophenyl phenyl ether	20	40	ND	ND			
Chrysene	20	40	ND	ND			
Di-n-butyl phthalate	20	40	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	20	40	ND	ND			
Dibenzo(a,h)anthracene	20	40	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.07	85208.08			
Client Sample I.D.			B1-23	B1-24			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/11/2016	11/11/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			80	80			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	20	40	ND	ND			
1,2-Dichlorobenzene	20	40	ND	ND			
1,3-Dichlorobenzene	20	40	ND	ND			
1,4-Dichlorobenzene	20	40	ND	ND			
3,3'-Dichlorobenzidine	20	40	ND	ND			
2,4-Dichlorophenol	20	40	ND	ND			
Diethyl phthalate (Diethyl ester)	20	40	ND	ND			
Dimethyl phthalate (Dimethyl ester)	20	40	ND	ND			
2,4-Dimethylphenol	20	40	ND	ND			
4,6-Dinitro-2-methylphenol	20	40	ND	ND			
2,4-Dinitrophenol	20	40	ND	ND			
2,4-Dinitrotoluene	20	40	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	20	40	ND	ND			
Fluoranthene	20	40	ND	ND			
Fluorene	20	40	ND	ND			
Hexachlorobenzene	20	40	ND	ND			
Hexachlorobutadiene	20	40	ND	ND			
Hexachlorocyclopentadiene	20	40	ND	ND			
Hexachloroethane	20	40	ND	ND			
Indeno(1,2,3-cd)pyrene	20	40	ND	ND			
Isophorone	20	40	ND	ND			
2-Methylnaphthalene	20	40	ND	ND			
4-Methylphenol	20	40	ND	ND			
2-Methylphenol (2-Cresol)	20	40	ND	ND			
3-Methylphenol (3-Cresol)	20	40	ND	ND			
N-Nitroso-Di-n-propylamine	20	40	ND	ND			
Naphthalene	20	40	ND	ND			
2-Nitroaniline	20	40	ND	ND			
3-Nitroaniline	20	40	ND	ND			
4-Nitroaniline	20	40	ND	ND			
Nitrobenzene (NB)	20	40	ND	ND			
4-Nitrophenol	20	40	ND	ND			
2-Nitrophenol (o-Nitrophenol)	20	40	ND	ND			
N-nitrosodiphenylamine	20	40	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.		85208.07	85208.08			
Client Sample I.D.		B1-23	B1-24			
Date Sampled		11/08/2016	11/08/2016			
Date Prepared		11/10/2016	11/10/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/11/2016	11/11/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		80	80			
Analytes	MDL	PQL	Results	Results		
Pentachlorophenol	20	40	ND	ND		
Phenanthrene	20	40	ND	ND		
Phenol	20	40	ND	ND		
Pyrene	20	40	ND	ND		
1,2,4-Trichlorobenzene	20	40	ND	ND		
2,4,5-Trichlorophenol	20	40	ND	ND		
2,4,6-Trichlorophenol	20	40	ND	ND		

Comment(s):

85208.07: Analyzed under dilution due to matrix interference 85208.08: Analyzed under dilution due to matrix interference

Our Lab I.D.		85208.07	85208.08			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
2-Fluorophenol	25-121	0.0 S6	0.0 S6			
2-Fluorobiphenyl	30-115	64.4	73.2			
Nitrobenzene-d5	23-120	31.2	54.8			
Phenol-d6	21-113	0.0 S6	0.0 S6			
p-Terphenyl-D14	18-137	44.0	50.0			
2,4,6-Tribromophenol	19-122	40.0	49.0			



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
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 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 33

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.09			
Client Sample I.D.			B1-25			
Date Sampled			11/08/2016			
Date Prepared			11/10/2016			
Preparation Method			3550B			
Date Analyzed			11/11/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			16			
Analytes	MDL	PQL	Results			
Acenaphthene	4.00	8	ND			
Acenaphthylene	4.00	8	ND			
Anthracene	4.00	8	ND			
Azobenzene	4.00	8	ND			
Benzidine	4.00	8	ND			
Benzo(a)anthracene	4.00	8	ND			
Benzo(a)pyrene	4.00	8	ND			
Benzo(b)fluoranthene	4.00	8	ND			
Benzo(g,h,i)perylene	4.00	8	ND			
Benzo(k)fluoranthene	4.00	8	ND			
Benzoic Acid	4.00	8	ND			
Benzyl Alcohol	4.00	8	ND			
Bis(2-Chloroethoxy)methane	4.00	8	ND			
Bis(2-Chloroethyl)ether	4.00	8	ND			
Bis(2-chloroisopropyl) ether	4.00	8	ND			
Bis(2-ethylhexyl) phthalate	4.00	8	ND			
4-Bromophenyl phenyl ether	4.00	8	ND			
Butyl benzyl phthalate	4.00	8	ND			
4-Chloro-3-methylphenol	4.00	8	ND			
4-Chloroaniline	4.00	8	ND			
2-Chloronaphthalene	4.00	8	ND			
2-Chlorophenol	4.00	8	ND			
4-Chlorophenyl phenyl ether	4.00	8	ND			
Chrysene	4.00	8	ND			
Di-n-butyl phthalate	4.00	8	ND			
Di-n-octyl phthalate (Dioctyl ester)	4.00	8	ND			
Dibenzo(a,h)anthracene	4.00	8	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.	85208.09		
Client Sample I.D.	B1-25		
Date Sampled	11/08/2016		
Date Prepared	11/10/2016		
Preparation Method	3550B		
Date Analyzed	11/11/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	16		
Analytes	MDL	PQL	Results
Dibenzofuran	4.00	8	ND
1,2-Dichlorobenzene	4.00	8	ND
1,3-Dichlorobenzene	4.00	8	ND
1,4-Dichlorobenzene	4.00	8	ND
3,3'-Dichlorobenzidine	4.00	8	ND
2,4-Dichlorophenol	4.00	8	ND
Diethyl phthalate (Diethyl ester)	4.00	8	ND
Dimethyl phthalate (Dimethyl ester)	4.00	8	ND
2,4-Dimethylphenol	4.00	8	ND
4,6-Dinitro-2-methylphenol	4.00	8	ND
2,4-Dinitrophenol	4.00	8	ND
2,4-Dinitrotoluene	4.00	8	ND
2,6-Dinitrotoluene (2,6-DNT)	4.00	8	ND
Fluoranthene	4.00	8	ND
Fluorene	4.00	8	ND
Hexachlorobenzene	4.00	8	ND
Hexachlorobutadiene	4.00	8	ND
Hexachlorocyclopentadiene	4.00	8	ND
Hexachloroethane	4.00	8	ND
Indeno(1,2,3-cd)pyrene	4.00	8	ND
Isophorone	4.00	8	ND
2-Methylnaphthalene	4.00	8	ND
4-Methylphenol	4.00	8	ND
2-Methylphenol (2-Cresol)	4.00	8	ND
3-Methylphenol (3-Cresol)	4.00	8	ND
N-Nitroso-Di-n-propylamine	4.00	8	ND
Naphthalene	4.00	8	ND
2-Nitroaniline	4.00	8	ND
3-Nitroaniline	4.00	8	ND
4-Nitroaniline	4.00	8	ND
Nitrobenzene (NB)	4.00	8	ND
4-Nitrophenol	4.00	8	ND
2-Nitrophenol (o-Nitrophenol)	4.00	8	ND
N-nitrosodiphenylamine	4.00	8	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

<b>Our Lab I.D.</b>			85208.09				
Client Sample I.D.			B1-25				
Date Sampled			11/08/2016				
Date Prepared			11/10/2016				
Preparation Method			3550B				
Date Analyzed			11/11/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			16				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	4.00	8	ND				
Phenanthrene	4.00	8	ND				
Phenol	4.00	8	ND				
Pyrene	4.00	8	ND				
1,2,4-Trichlorobenzene	4.00	8	ND				
2,4,5-Trichlorophenol	4.00	8	ND				
2,4,6-Trichlorophenol	4.00	8	ND				

Comment(s):

85208.09: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85208.09				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		0.0 S6				
2-Fluorobiphenyl	30-115		65.6				
Nitrobenzene-d5	23-120		48.4				
Phenol-d6	21-113		0.0 S6				
p-Terphenyl-D14	18-137		83.2				
2,4,6-Tribromophenol	19-122		39.4				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 36

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/11/2016	11/11/2016	11/11/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/11/2016	11/11/2016	11/11/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	0.25	0.50	ND	ND	ND		
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND		
Fluoranthene	0.25	0.50	ND	ND	ND		
Fluorene	0.25	0.50	ND	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND		
Isophorone	0.25	0.50	ND	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND		
Naphthalene	0.25	0.50	ND	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND		
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/11/2016	11/11/2016	11/11/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Pentachlorophenol	0.25	0.50	ND	ND	ND		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	5-121		84.2	88.2	83.4		
2-Fluorobiphenyl	30-115		84.0	93.2	92.4		
Nitrobenzene-d5	23-120		76.8	85.6	84.8		
Phenol-d6	21-113		81.6	85.8	82.8		
p-Terphenyl-D14	18-137		109	115	113		
2,4,6-Tribromophenol	19-122		77.6	80.6	84.4		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

CCRP PIT #3  
Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 39

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	85208.04
Client Sample I.D.				B1-17	B1-18	B1-19	B1-20
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	4.53	2.55	2.68
Chlordane (alpha)	1.0	2.0	ND	ND	1.24J	1.08J	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	3.39	ND	1.18J
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	3.29	1.47J	1.68J
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	115	143	121	118	121
Tetrachloro-m-xylene	30-150	129	128	150	139	144



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **41**

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1

Our Lab I.D.			85208.05	85208.06			
Client Sample I.D.			B1-21	B1-22			
Date Sampled			11/08/2016	11/08/2016			
Date Prepared			11/10/2016	11/10/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/10/2016	11/10/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	3.62	8.02			
Chlordane (alpha)	1.0	2.0	1.82J	3.62			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	4.07	6.78			
4,4'-DDT (DDT)	1.0	2.0	ND	ND			
Dieldrin	1.0	2.0	ND	2.00			
Endosulfan 1	1.0	2.0	ND	ND			
Endosulfan 11	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	1.80J	4.40			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	85.0	170.0	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85208.05	85208.06			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		106	120			
Tetrachloro-m-xylene	30-150		114	150			





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## ANALYTICAL RESULTS

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### Site

CCRP PIT #3  
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Attn: Gregory Sena

Page: **43**

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1

Our Lab I.D.			85208.07	85208.08		
Client Sample I.D.			B1-23	B1-24		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			10	10		
Analytes	MDL	PQL	Results	Results		
Aldrin	10	20	ND	ND		
Chlordane (Total)	10	20	ND	ND		
Chlordane (alpha)	10	20	ND	ND		
4,4'-DDD (DDD)	10	20	ND	ND		
4,4'-DDE (DDE)	10	20	ND	ND		
4,4'-DDT (DDT)	10	20	13.4J	ND		
Dieldrin	10	20	ND	ND		
Endosulfan 1	10	20	ND	ND		
Endosulfan 11	10	20	ND	ND		
Endosulfan sulfate	10	20	ND	ND		
Endrin	10	20	ND	ND		
Endrin aldehyde	10	20	ND	ND		
Endrin ketone	10	20	ND	ND		
Chlordane (gamma)	10	20	ND	ND		
Heptachlor	10	20	ND	ND		
Heptachlor epoxide	10	20	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	10	20	ND	ND		
beta-Hexachlorocyclohexane (Beta-BHC)	10	20	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	10	20	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	10	20	ND	ND		
Methoxychlor	50	100	ND	ND		
Toxaphene	850	1700	ND	ND		

Comment(s):

85208.08: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85208.07	85208.08			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		87.6	91.2			
Tetrachloro-m-xylene	30-150		127	131			



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 45

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1

Our Lab I.D.			85208.09			
Client Sample I.D.			B1-25			
Date Sampled			11/08/2016			
Date Prepared			11/10/2016			
Preparation Method			3550B			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	ND			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			

Comment(s):

85208.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85208.09				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	82.0				
Tetrachloro-m-xylene	30-150	132				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aldrin	1.0	2.0	ND	ND	ND		
Chlordane (Total)	1.0	2.0	ND	ND	ND		
Chlordane (alpha)	1.0	2.0	ND	ND	ND		
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND		
4,4'-DDE (DDE)	1.0	2.0	ND	ND	1.35J		
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND		
Dieldrin	1.0	2.0	ND	ND	ND		
Endosulfan 1	1.0	2.0	ND	ND	ND		
Endosulfan 11	1.0	2.0	ND	ND	ND		
Endosulfan sulfate	1.0	2.0	ND	ND	ND		
Endrin	1.0	2.0	ND	ND	ND		
Endrin aldehyde	1.0	2.0	ND	ND	ND		
Endrin ketone	1.0	2.0	ND	ND	ND		
Chlordane (gamma)	1.0	2.0	ND	ND	ND		
Heptachlor	1.0	2.0	ND	ND	ND		
Heptachlor epoxide	1.0	2.0	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND		
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND		
Methoxychlor	5.0	10.0	ND	ND	ND		
Toxaphene	85.0	170.0	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		102	118	128		
Tetrachloro-m-xylene	30-150		113	146	140		



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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	85208.04
Client Sample I.D.				B1-17	B1-18	B1-19	B1-20
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Azinphos-methyl	50	50	ND	ND	ND	ND	ND
Bolstar (Sulprofos)	50	50	ND	ND	ND	ND	ND
Chloropyrifos (Dursban)	50	50	ND	ND	ND	ND	ND
Coumaphos	50	50	ND	ND	ND	ND	ND
Demeton-O & S	50	50	ND	ND	ND	ND	ND
Diazinon	50	50	ND	ND	ND	ND	ND
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND	ND	ND	ND
Disulfoton	50	50	ND	ND	ND	ND	ND
Ethoprop	50	50	ND	ND	ND	ND	ND
Fensulfothion	50	50	ND	ND	ND	ND	ND
Fenthion	50	50	ND	ND	ND	ND	ND
Malathion	50	50	ND	ND	ND	ND	ND
Merphos	50	50	ND	ND	ND	ND	ND
Methyl parathion (Parathion methyl)	50	50	ND	ND	ND	ND	ND
Mevinphos	100	100	ND	ND	ND	ND	ND
Naled	100	100	ND	ND	ND	ND	ND
Phorate (Phosphorodithioic acid)	50	50	ND	ND	ND	ND	ND
Ronnel	50	50	ND	ND	ND	ND	ND
Tetrachlorvinphos (Stirophos)	50	50	ND	ND	ND	ND	ND
Tokuthion (Prothiofos)	50	50	ND	ND	ND	ND	ND
Trichloronate	50	50	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Tributylphosphate	52-129	104	69.6	92.0	95.6	72.8





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## ANALYTICAL RESULTS

### Ordered By

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CCRP PIT #3  
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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.		85208.05			
Client Sample I.D.		B1-21			
Date Sampled		11/08/2016			
Date Prepared		11/10/2016			
Preparation Method		3550B			
Date Analyzed		11/11/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chloropyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

*Comment(s):*

85208.05: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.05				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	65.2				



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## ANALYTICAL RESULTS

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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.			85208.06			
Client Sample I.D.			B1-22			
Date Sampled			11/08/2016			
Date Prepared			11/10/2016			
Preparation Method			3550B			
Date Analyzed			11/10/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Azinphos-methyl	50	50	ND			
Bolstar (Sulprofos)	50	50	ND			
Chloropyrifos (Dursban)	50	50	ND			
Coumaphos	50	50	ND			
Demeton-O & S	50	50	ND			
Diazinon	50	50	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND			
Disulfoton	50	50	ND			
Ethoprop	50	50	ND			
Fensulfothion	50	50	ND			
Fenthion	50	50	ND			
Malathion	50	50	ND			
Merphos	50	50	ND			
Methyl parathion (Parathion methyl)	50	50	ND			
Mevinphos	100	100	ND			
Naled	100	100	ND			
Phorate (Phosphorodithioic acid)	50	50	ND			
Ronnel	50	50	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND			
Tokuthion (Prothiofos)	50	50	ND			
Trichloronate	50	50	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.06				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	67.6				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.			85208.07	85208.08		
Client Sample I.D.			B1-23	B1-24		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/11/2016	11/11/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			20	20		
Analytes	MDL	PQL	Results	Results		
Azinphos-methyl	1000	1000	ND	ND		
Bolstar (Sulprofos)	1000	1000	ND	ND		
Chloropyrifos (Dursban)	1000	1000	ND	ND		
Coumaphos	1000	1000	ND	ND		
Demeton-O & S	1000	1000	ND	ND		
Diazinon	1000	1000	ND	ND		
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND	ND		
Disulfoton	1000	1000	ND	ND		
Ethoprop	1000	1000	ND	ND		
Fensulfothion	1000	1000	ND	ND		
Fenthion	1000	1000	ND	ND		
Malathion	1000	1000	ND	ND		
Merphos	1000	1000	ND	ND		
Methyl parathion (Parathion methyl)	1000	1000	ND	ND		
Mevinphos	2000	2000	ND	ND		
Naled	2000	2000	ND	ND		
Phorate (Phosphorodithioic acid)	1000	1000	ND	ND		
Ronnel	1000	1000	ND	ND		
Tetrachlorvinphos (Stirophos)	1000	1000	ND	ND		
Tokuthion (Prothiofos)	1000	1000	ND	ND		
Trichloronate	1000	1000	ND	ND		

*Comment(s):*

85208.07: Analyzed under dilution due to matrix interference 85208.08: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.07	85208.08			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Tributylphosphate	52-129	97.6	113			



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.		85208.09			
Client Sample I.D.		B1-25			
Date Sampled		11/08/2016			
Date Prepared		11/10/2016			
Preparation Method		3550B			
Date Analyzed		11/10/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chloropyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

*Comment(s):*

85208.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.09				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	76.0				





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## ANALYTICAL RESULTS

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### Site

CCRP PIT #3  
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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.			85208.10	85208.11		
Client Sample I.D.			B1-26	B1-27		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Azinphos-methyl	50	50	ND	ND		
Bolstar (Sulprofos)	50	50	ND	ND		
Chloropyrifos (Dursban)	50	50	ND	ND		
Coumaphos	50	50	ND	ND		
Demeton-O & S	50	50	ND	ND		
Diazinon	50	50	ND	ND		
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND		
Disulfoton	50	50	ND	ND		
Ethoprop	50	50	ND	ND		
Fensulfothion	50	50	ND	ND		
Fenthion	50	50	ND	ND		
Malathion	50	50	ND	ND		
Merphos	50	50	ND	ND		
Methyl parathion (Parathion methyl)	50	50	ND	ND		
Mevinphos	100	100	ND	ND		
Naled	100	100	ND	ND		
Phorate (Phosphorodithioic acid)	50	50	ND	ND		
Ronnel	50	50	ND	ND		
Tetrachlorvinphos (Stirophos)	50	50	ND	ND		
Tokuthion (Prothiofos)	50	50	ND	ND		
Trichloronate	50	50	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.10	85208.11			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Tributylphosphate	52-129	86.4	82.4			



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## ANALYTICAL RESULTS

### Ordered By

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016

Our Lab I.D.		85208.12			
Client Sample I.D.		B1-28			
Date Sampled		11/08/2016			
Date Prepared		11/10/2016			
Preparation Method		3550B			
Date Analyzed		11/10/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chlorpyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

### Comment(s):

85208.12: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85208.12				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	108				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111016

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	85208.04
Client Sample I.D.				B1-17	B1-18	B1-19	B1-20
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	13.4	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	69.9	59.6	15.8 S6	18.7 S6	47.6



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CCRP PIT #3  
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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111016

Our Lab I.D.			85208.05	85208.06	85208.07	85208.08	85208.09
Client Sample I.D.			B1-21	B1-22	B1-23	B1-24	B1-25
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/10/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85208.05	85208.06	85208.07	85208.08	85208.09
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	44.3	52.8	74.2	50.4	57.8





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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111016

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/11/2016	11/11/2016	11/11/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acifluorfen	20	20	ND	ND	ND		
Bentazon	10	10	ND	ND	ND		
Chloramben	10	10	ND	ND	ND		
2,4-D	10	10	ND	ND	ND		
Dalapon	20	20	ND	ND	ND		
2,4-DB	10	10	ND	ND	ND		
DCPA diacid	20	20	ND	ND	ND		
Dicamba	10	10	ND	ND	ND		
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND		
Dichloroprop	10	10	ND	ND	ND		
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND		
MCPA	2000	2000	ND	ND	ND		
MCPP	2000	2000	ND	ND	ND		
4-Nitrophenol	10	10	ND	ND	ND		
Pentachlorophenol (PCP)	10	10	ND	ND	ND		
Picloram	10	10	ND	ND	ND		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND		
2,4,5-TP	10	10	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
DCAA	40-150	62.9	48.5	54.0		



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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001  
 Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04	
Client Sample I.D.			B1-17	B1-18	B1-19	B1-20	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Date Prepared		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Preparation Method		3050B	3050B	3050B	3050B	3050B	
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.75J	4.22J	11.3	3.72J
Barium	2.5	5.0	ND	54.5	75.2	66.6	63.6
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	4.66J	10.2	21.2	14.3
Cobalt	2.5	5.0	ND	3.11J	4.09J	5.01	6.95
Copper	2.5	5.0	ND	8.81	10.4	14.7	53.0
Lead	2.5	5.0	ND	2.90J	7.37	6.07	5.65
Mercury (By EPA 7471)	0.1	0.2	ND	0.124J	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	3.87J	5.86	8.31	7.70
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	13.1	19.1	21.2	54.9
Zinc	2.5	5.0	ND	21.1	31.9	76.0	36.3



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C7

Our Lab I.D.			Method Blank	85208.05	85208.06	85208.07	85208.08
Client Sample I.D.				B1-21	B1-22	B1-23	B1-24
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	4.66J	3.74J	3.07J	2.95J
Barium	2.5	5.0	ND	93.2	87.7	70.3	77.6
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	16.7	15.9	10.1	12.6
Cobalt	2.5	5.0	ND	6.06	6.37	4.87J	7.84
Copper	2.5	5.0	ND	41.5	67.7	28.3	17.8
Lead	2.5	5.0	ND	21.1	31.6	34.5	6.31
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.151J	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	9.64	9.23	11.8	15.4
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	25.6	26.7	25.8	35.7
Zinc	2.5	5.0	ND	68.6	87.9	136	40.9



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C7

Our Lab I.D.			85208.09	85208.10	85208.11	85208.12	
Client Sample I.D.			B1-25	B1-26	B1-27	B1-28	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	ND	3.79J	9.68	32.6	
Barium	2.5	5.0	68.3	74.9	186	535	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	15.0	8.27	18.5	26.0	
Cobalt	2.5	5.0	7.71	5.57	10.9	15.9	
Copper	2.5	5.0	13.6	15.1	38.2	80.2	
Lead	2.5	5.0	7.99	2.83J	6.01	11.9	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.115J	0.269	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	9.35	7.20	15.7	22.9	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	32.1	20.8	38.1	49.9	
Zinc	2.5	5.0	43.6	30.1	59.2	81.3	



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## ANALYTICAL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85208.01	85208.02	85208.03	85208.04	85208.05
Client Sample I.D.		B1-17	B1-18	B1-19	B1-20	B1-21
Date Sampled		11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		EPA600R	EPA600R	EPA600R	EPA600R	EPA600R
Date Analyzed		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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## ANALYTICAL RESULTS

### Ordered By

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### Site

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85208.06	85208.07	85208.08	85208.09	85208.10
Client Sample I.D.		B1-22	B1-23	B1-24	B1-25	B1-26
Date Sampled		11/08/2016	11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		EPA600R	EPA600R	EPA600R	EPA600R	EPA600R
Date Analyzed		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 74

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85208.11	85208.12			
Client Sample I.D.		B1-27	B1-28			
Date Sampled		11/08/2016	11/08/2016			
Date Prepared		11/11/2016	11/11/2016			
Preparation Method		EPA600R	EPA600R			
Date Analyzed		11/11/2016	11/11/2016			
Matrix		Soil	Soil			
Units		Percent	Percent			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Asbestos, Total	1.0	1.0	ND	ND		





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## QUALITY CONTROL RESULTS

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 75

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	0.00	50.0	41.7	83.4	50.0	40.0	80.0	4.2	75-125	<15
Arsenic	4.12	50.0	46.5	84.8	50.0	45.1	82.0	3.4	75-125	<15
Barium	167	50.0	190 #	46.0	50.0	186 #	38.0	19.0	75-125	<15
Beryllium	0.00	50.0	46.6	93.2	50.0	45.5	91.0	2.4	75-125	<15
Cadmium	0.00	50.0	40.1	80.2	50.0	39.1	78.2	2.5	75-125	<15
Chromium	11.3	50.0	51.7	80.8	50.0	50.2	77.8	3.8	75-125	<15
Cobalt	5.82	50.0	43.3	75.0	50.0	42.1 #	72.6	3.3	75-125	<15
Copper	25.9	50.0	67.7	83.6	50.0	65.8	79.8	4.7	75-125	<15
Lead	67.8	50.0	149 #	162	50.0	145 #	154	5.1	75-125	<15
Mercury (By EPA 7471)	0.124	0.500	0.579	91.0	0.500	0.599	95.0	4.3	75-125	<15
Molybdenum	0.00	50.0	40.3	80.6	50.0	39.2	78.4	2.8	75-125	<15
Nickel	8.08	50.0	42.6 #	69.0	50.0	41.7 #	67.2	2.6	75-125	<15
Selenium	0.00	50.0	29.5 #	59.0	50.0	28.3 #	56.6	4.2	75-125	<15
Silver	0.00	50.0	39.9	79.8	50.0	38.8	77.6	2.8	75-125	<15
Thallium	0.00	50.0	32.2 #	64.4	50.0	31.0 #	62.0	3.8	75-125	<15
Vanadium	24.5	50.0	65.5	82.0	50.0	63.9	78.8	4.0	75-125	<15
Zinc	256	50.0	317	122	50.0	309	106	14.0	75-125	<15

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	50.0	49.6	99.2	50.0	49.7	99.4	<1	75-125	<15
Arsenic	50.0	50.0	100	50.0	50.0	100	<1	75-125	<15
Barium	50.0	49.9	99.8	50.0	49.8	99.6	<1	75-125	<15
Beryllium	50.0	55.5	111	50.0	55.5	111	<1	75-125	<15
Cadmium	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15
Chromium	50.0	48.8	97.6	50.0	48.7	97.4	<1	75-125	<15
Cobalt	50.0	50.0	100	50.0	49.7	99.4	<1	75-125	<15
Copper	50.0	48.2	96.4	50.0	48.4	96.8	<1	75-125	<15
Lead	50.0	49.2	98.4	50.0	49.6	99.2	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C6; Dup or Spiked Sample: 85193.11; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
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	
Mercury (By EPA 7471)	0.500	0.545	109	0.500	0.565	113	3.6	75-125	<15	
Molybdenum	50.0	48.5	97.0	50.0	49.0	98.0	1.0	75-125	<15	
Nickel	50.0	49.6	99.2	50.0	49.7	99.4	<1	75-125	<15	
Selenium	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Silver	50.0	50.0	100	50.0	49.9	99.8	<1	75-125	<15	
Thallium	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Vanadium	50.0	50.0	100	50.0	50.0	100	<1	75-125	<15	
Zinc	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 77

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C7; Dup or Spiked Sample: 85208.05; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	0.00	50.0	41.7	83.4	50.0	41.4	82.8	<1	75-125	<15
Arsenic	4.66	50.0	45.0	80.7	50.0	45.5	81.7	1.2	75-125	<15
Barium	93.2	50.0	123 M	59.6	50.0	122 M	57.6	3.4	75-125	<15
Beryllium	0.00	50.0	45.2	90.4	50.0	45.3	90.6	<1	75-125	<15
Cadmium	0.00	50.0	36.7	73.4	50.0	36.6 M	73.2	<1	75-125	<15
Chromium	16.7	50.0	54.2	75.0	50.0	54.4	75.4	<1	75-125	<15
Cobalt	6.06	50.0	42.2 M	72.3	50.0	42.3 M	72.5	<1	75-125	<15
Copper	41.5	50.0	83.8	84.6	50.0	84.8	86.6	2.3	75-125	<15
Lead	21.1	50.0	52.6 M	63.0	50.0	52.8 M	63.4	<1	75-125	<15
Mercury (By EPA 7471)	0.124	0.500	0.579	91.0	0.500	0.599	95.0	4.3	75-125	<15
Molybdenum	0.00	50.0	39.5	79.0	50.0	39.6	79.2	<1	75-125	<15
Nickel	9.64	50.0	41.7 M	64.1	50.0	41.5 M	63.7	<1	75-125	<15
Selenium	0.00	50.0	33.7 M	67.4	50.0	33.7 M	67.4	<1	75-125	<15
Silver	0.00	50.0	41.5	83.0	50.0	41.1	82.2	<1	75-125	<15
Thallium	0.00	50.0	31.2 M	62.4	50.0	31.4 M	62.8	<1	75-125	<15
Vanadium	25.6	50.0	64.7	78.2	50.0	64.2	77.2	1.3	75-125	<15
Zinc	68.6	50.0	104 M	70.8	50.0	103 M	68.8	2.9	75-125	<15

QC Batch No: 1109162C7; Dup or Spiked Sample: 85208.05; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
Antimony	50.0	48.3	96.6	50.0	47.7	95.4	1.3	75-125	<15
Arsenic	50.0	47.7	95.4	50.0	46.7	93.4	2.1	75-125	<15
Barium	50.0	46.8	93.6	50.0	46.1	92.2	1.5	75-125	<15
Beryllium	50.0	52.2	104	50.0	51.9	104	<1	75-125	<15
Cadmium	50.0	46.9	93.8	50.0	46.1	92.2	1.7	75-125	<15
Chromium	50.0	46.5	93.0	50.0	45.5	91.0	2.2	75-125	<15
Cobalt	50.0	47.1	94.2	50.0	46.3	92.6	1.7	75-125	<15
Copper	50.0	48.3	96.6	50.0	48.2	96.4	<1	75-125	<15
Lead	50.0	45.8	91.6	50.0	45.1	90.2	1.5	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1109162C7; Dup or Spiked Sample: 85208.05; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
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	
Mercury (By EPA 7471)	0.500	0.545	109	0.500	0.565	113	3.6	75-125	<15	
Molybdenum	50.0	46.5	93.0	50.0	45.7	91.4	1.7	75-125	<15	
Nickel	50.0	46.5	93.0	50.0	45.7	91.4	1.7	75-125	<15	
Selenium	50.0	47.8	95.6	50.0	47.3	94.6	1.1	75-125	<15	
Silver	50.0	49.4	98.8	50.0	48.8	97.6	1.2	75-125	<15	
Thallium	50.0	48.0	96.0	50.0	47.3	94.6	1.5	75-125	<15	
Vanadium	50.0	48.6	97.2	50.0	47.8	95.6	1.7	75-125	<15	
Zinc	50.0	49.1	98.2	50.0	48.4	96.8	1.4	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 79

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111016EB1; Dup or Spiked Sample: 85208.11; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
Aldrin	0.00	20.0	24.2	121	20.0	23.7	119	1.67	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	42.6	85.2	50.0	43.0	86.0	<1	40-150	<40
Dieldrin	0.00	50.0	59.4	119	50.0	57.0	114	4.29	40-150	<40
Endrin	0.00	50.0	63.6	127	50.0	62.1	124	2.39	40-150	<40
Heptachlor	0.00	20.0	17.0	85.0	20.0	16.5	82.5	2.99	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	23.7	119	20.0	22.9	115	3.42	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	68.3	137	50.0	66.2	132	3.65	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	75.0	150	50.0	72.9	146	2.70	30-150	<40

QC Batch No: 111016EB1; Dup or Spiked Sample: 85208.11; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
Aldrin	20.0	19.1	95.5	20.0	19.2	96.0	<1	50-150	<40
4,4'-DDT (DDT)	50.0	56.9	114	50.0	57.8	116	1.74	50-150	<40
Dieldrin	50.0	53.4	107	50.0	51.4	103	3.81	50-150	<40
Endrin	50.0	54.6	109	50.0	51.0	102	6.64	50-150	<40
Heptachlor	20.0	13.3	66.5	20.0	13.2	66.0	<1	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	28.8	144	20.0	28.2	141	2.11	50-150	<40
<b>Surrogates</b>									
Decachlorobiphenyl	50.0	58.6	117	50.0	55.9	112	4.27	30-150	<40
Tetrachloro-m-xylene	50.0	70.5	141	50.0	68.6	137	2.84	30-150	<40



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 80

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111016; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
Bolstar (Sulprofos)	0.00	200	114	57.0	200	144	72.0	23.3	50-150	<40
Ethoprop	0.00	200	122	61.0	200	150	75.0	20.6	50-150	<40
Phorate (Phosphorodithioic acid)	0.00	200	98.4	49.2	200	119	59.5	19.0	50-150	<40
Ronnel	0.00	200	107	53.5	200	138	69.0	25.3	50-150	<40
<b>Surrogates</b>										
Tributylphosphate	0.00	250	154	61.6	250	185	74.0	18.3	50-150	<40

QC Batch No: 111016; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
Bolstar (Sulprofos)	200	212	106	200	214	107	<1	50-150	<40
Ethoprop	200	220	110	200	224	112	1.8	50-150	<40
Phorate (Phosphorodithioic acid)	200	171	85.5	200	174	87.0	1.7	50-150	<40
Ronnel	200	204	102	200	206	103	<1	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	255	102	250	263	105	2.9	50-150	<40



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

CCRP PIT #3  
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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111016; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
2,4-D	0.00	25.0	14.2	56.8	25.0	17.5	70.0	20.8	40-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	25.0	14.1	56.4	25.0	17.2	68.8	19.8	40-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	25.0	15.0	60.0	25.0	18.5	74.0	20.9	40-140	<40
<b>Surrogates</b>										
DCAA	0.00	50.0	32.7	65.4	50.0	34.6	69.2	5.6	40-140	<40

QC Batch No: 111016; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
2,4-D	25.0	20.1	80.4	25.0	20.1	80.4	<1	50-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	19.7	78.8	25.0	19.6	78.4	<1	50-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	19.5	78.0	25.0	19.2	76.8	1.6	50-140	<40
<b>LCS</b>									
Dalapon	25.0	26.8	107	25.0	20.0	79.8	29.1	50-140	<40
2,4-DB	25.0	15.9	63.6	25.0	15.9	63.6	<1	50-140	<40
Dicamba	25.0	20.3	81.2	25.0	19.1	76.4	6.1	50-140	<40
Dichloroprop	25.0	33.5	134	25.0	33.3	133	<1	50-140	<40
MCPA	2,500	1,480	59.2	2,500	1,470	58.8	<1	50-140	<40
MCPP	2,500	1,880	75.2	2,500	1,900	76.0	1.1	50-140	<40
2,4,5-TP	25.0	20.9	83.6	25.0	20.9	83.6	<1	50-140	<40
<b>Surrogates</b>									
DCAA	50.0	39.1	78.2	50.0	38.7	77.4	1.0	50-140	<40



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 82

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1109162A1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/09/2016; MS Analyzed: 11/10/2016;  
 LCS Analyzed: 11/09/2016; Units: ug/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
Benzene	0.00	50.0	43.0	86.0	50.0	43.4	86.8	<1	75-125	<20
Chlorobenzene	0.00	50.0	47.3	94.6	50.0	47.0	94.0	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	48.6	97.2	50.0	45.6	91.2	6.4	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	47.8	95.6	50.0	48.3	96.6	1.0	75-125	<20
Trichloroethene	0.00	50.0	38.0	76.0	50.0	39.2	78.4	3.1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	43.8	87.6	50.0	43.6	87.2	<1	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	48.8	97.5	50.0	48.9	97.8	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	49.9	99.8	50.0	50.0	100	<1	75-125	<20
Toluene-d8	0.00	50.0	53.0	106	50.0	52.5	105	<1	75-125	<20

QC Batch No: 1109162A1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/09/2016; MS Analyzed: 11/10/2016;  
 LCS Analyzed: 11/09/2016; Units: ug/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
Benzene	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20
Chlorobenzene	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<20
1,1-Dichloroethene	50.0	61.5	123	50.0	61.0	122	<1	75-125	<20
Toluene (Methyl benzene)	50.0	51.5	103	50.0	50.5	101	2.0	75-125	<20
Trichloroethene	50.0	55.5	111	50.0	53.5	107	3.7	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	62.0	124	50.0	61.0	122	1.6	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	55.0	110	50.0	53.0	106	3.7	75-125	<20
Ethylbenzene	50.0	50.5	101	50.0	49.5	99.0	2.0	75-125	<20
1,1,1-Trichloroethane	50.0	56.5	113	50.0	55.0	110	2.7	75-125	<20
o-Xylene	50.0	49.7	99.4	50.0	49.5	99.0	<1	75-125	<20
m,p-Xylenes	100	97.7	97.7	100	95.1	95.1	2.7	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	46.7	93.3	50.0	47.8	95.6	2.4	75-125	<20
Dibromofluoromethane	50.0	51.5	103	50.0	49.5	98.9	4.1	75-125	<20
Toluene-d8	50.0	46.5	92.9	50.0	45.7	91.4	1.6	75-125	<20





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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **83**

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1110162A1; LCS: Clean Sand; LCS Prepared: 11/10/2016; LCS Analyzed: 11/10/2016; Units: ug/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	
Benzene	50.0	45.1	90.2	50.0	44.1	88.0	2.47	75-125	<20	
Chlorobenzene	50.0	49.4	98.8	50.0	49.2	98.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.2	100	50.0	46.6	93.0	7.25	75-125	<20	
Toluene (Methyl benzene)	50.0	49.5	99.0	50.0	50.1	100	1.01	75-125	<20	
Trichloroethene	50.0	48.0	96.0	50.0	47.5	95.0	1.05	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.7	101	50.0	49.6	99.0	2.00	75-125	<20	
<b>LCS</b>										
Chloroform (Trichloromethane)	50.0	45.0	90.0	50.0	45.8	92.0	2.20	75-125	<20	
Ethylbenzene	50.0	48.5	97.0	50.0	48.4	97.0	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	48.6	97.2	50.0	49.1	98.0	<1	75-125	<20	
o-Xylene	50.0	48.3	96.6	50.0	48.0	96.0	<1	75-125	<20	
m,p-Xylenes	100	92.2	92.2	100	92.8	92.8	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	48.7	97.5	50.0	47.9	95.8	1.74	75-125	<20	
Dibromofluoromethane	50.0	50.5	101	50.0	50.6	101	<1	75-125	<20	
Toluene-d8	50.0	52.8	106	50.0	52.9	106	<1	75-125	<20	



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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 84

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 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
Acenaphthene	0.00	2.50	2.34	93.6	2.50	2.09	83.6	11.3	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	4.80	96.0	5.00	4.87	97.4	1.45	39-98	<20
2-Chlorophenol	0.00	5.00	4.69	93.8	5.00	3.94	78.8	17.4	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	2.17	86.8	2.50	1.86	74.4	15.4	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.20	88.0	2.50	2.13	85.2	3.23	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	2.55	102	2.50	2.26	90.4	12.1	41-116	<20
4-Nitrophenol	0.00	5.00	4.25	85.0	5.00	5.09	102	18.2	10-110	<20
Pentachlorophenol	0.00	5.00	5.27	105	5.00	5.16	103	1.92	40-125	<20
Phenol	0.00	5.00	4.19	83.8	5.00	3.69	73.8	12.7	12-89	<20
Pyrene	0.00	2.50	2.48	99.2	2.50	2.10	84.0	16.6	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	2.54	102	2.50	2.11	84.4	18.9	39-98	<20
<b>Surrogates</b>										
2-Fluorophenol	0.00	5.00	4.29	85.8	5.00	3.47	69.4	19.1	25-121	<20
2-Fluorobiphenyl	0.00	2.50	2.40	96.0	2.50	2.12	84.8	11.7	30-115	<20
Nitrobenzene-d5	0.00	2.50	2.34	93.6	2.50	1.94	77.6	17.1	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.55	102	2.50	2.19	87.6	14.1	18-137	<20
Phenol-d6	0.00	5.00	4.38	87.6	5.00	3.60	72.0	17.8	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	4.65	93.0	5.00	4.77	95.4	2.58	19-122	<20

QC Batch No: 111016KB1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Acenaphthene	2.50	2.29	91.6	31-137
4-Chloro-3-methylphenol	5.00	4.47	89.4	40-99
2-Chlorophenol	5.00	4.48	89.6	25-102
1,4-Dichlorobenzene	2.50	2.10	84.0	28-104
2,4-Dinitrotoluene	2.50	2.10	84.0	28-89
N-Nitroso-Di-n-propylamine	2.50	2.46	98.4	41-126
4-Nitrophenol	5.00	4.27	85.4	11-114
Pentachlorophenol	5.00	5.66	113	17-125



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## QUALITY CONTROL RESULTS

Page: 85

Project ID: EF02414001  
Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111016KB1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	4.06	81.2	26-90						
Pyrene	2.50	2.30	92.0	35-142						
1,2,4-Trichlorobenzene	2.50	2.44	97.6	38-107						
<b>Surrogates</b>										
2-Fluorophenol	5.00	4.08	81.6	25-121						
2-Fluorobiphenyl	2.50	2.47	98.8	30-115						
Nitrobenzene-d5	2.50	2.34	93.6	23-120						
p-Terphenyl-D14	2.50	2.48	99.2	18-137						
Phenol-d6	5.00	4.37	87.4	24-113						
2,4,6-Tribromophenol	5.00	5.10	102	19-122						



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 86

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111016DB1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 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
TPH as Diesel (C13-C22)	0.00	500	499	99.8	500	493	98.6	1.2	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	89.0	89.0	100	88.5	88.5	<1	75-125	<20

QC Batch No: 111016DB1; Dup or Spiked Sample: 85208.01; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 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
TPH as Diesel (C13-C22)	500	485	97.0	500	486	97.2	<1	75-125	<20
<b>Surrogates</b>									
Chlorobenzene	100	88.6	88.6	100	87.9	87.9	<1	75-125	<20



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## QUALITY CONTROL RESULTS

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### Site

CCRP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 87

Project ID: EF02414001

Project Name: CCRP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 110916OB2; Dup or Spiked Sample: 85208.01AGA; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.860	85.5	1.00	0.830	82.7	3.33	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0453	90.6	0.0500	0.0447	89.4	1.32	75-125	<20

QC Batch No: 110916OB2; Dup or Spiked Sample: 85208.01AGA; LCS: Clean Sand; QC Prepared: 11/09/2016; QC Analyzed: 11/10/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.880	88.4	1.00	0.890	88.6	<1	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	0.0500	0.0463	92.6	0.0500	0.0458	91.6	1.08	75-125	<20



**LA Testing**

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 321625100

CustomerID: 32AETL21

CustomerPO:

ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

**Burbank, CA 91504**

Phone: (818) 845-8200  
Fax: (818) 845-8840  
Received: 11/10/16 11:15 AM  
Analysis Date: 11/11/2016  
Collected: 11/8/2016

Project: 85208

**Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method**

Sample	Description	Appearance	Result	Notes
85208-01 321625100-0001		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-02 321625100-0002		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-03 321625100-0003		Gray Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-04 321625100-0004		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-05 321625100-0005		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-06 321625100-0006		Brown/Gray Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-07 321625100-0007		Black Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-08 321625100-0008		Black Non-Fibrous Homogeneous	<b>None Detected</b>	
85208-09 321625100-0009		Brown/Gray Non-Fibrous Homogeneous	<b>None Detected</b>	

Analyst(s)

Julie Vong (8)

Quynh Trieu (2)

Kieu-anh Pham Duong (2)

Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/11/2016 10:28:34



# LA Testing

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 321625100

CustomerID: 32AETL21

CustomerPO:

ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

**Burbank, CA 91504**

Phone: (818) 845-8200  
Fax: (818) 845-8840  
Received: 11/10/16 11:15 AM  
Analysis Date: 11/11/2016  
Collected: 11/8/2016

Project: 85208

## Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
85208-10 321625100-0010		Brown Non-Fibrous Homogeneous	None Detected	
85208-11 321625100-0011		Brown Non-Fibrous Homogeneous	None Detected	
85208-12 321625100-0012		Gray Non-Fibrous Homogeneous	None Detected	

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Analyst(s)

Julie Vong (8)

Quynh Trieu (2)

Kieu-anh Pham Duong (2)

Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/11/2016 10:28:34



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## CHAIN OF CUSTODY RECORD

No 98658

€321625100

Page 1 of 1

COMPANY <b>AETL</b>		PROJECT MANAGER <b>Jim Lin</b>			AETL JOB No.		€321625100		Page 1 of 1		
COMPANY ADDRESS <b>2834 N. Naomi St. Burbank CA 91504</b>		PHONE <b>818-845-8200</b> FAX <b>818-845-8840</b>			ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS				
PROJECT NAME		PROJECT # <b>85208</b>			SITE NAME AND ADDRESS		PO # <b>21708-SUB</b>				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.					
85208.01		11/08/16	830	Soil	2 oz jar	Ice	X				
.02			915				X				
.03			920				X				
.04			1020				X				
.05			1025				X				
.06			1100				X				
.07			1105				X				
.08			1310				X				
.09			1320				X				
.10			1350				X				
.11			1400				X				
.12			1410				X				
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						RELINQUISHED BY SAMPLER: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature: <i>[Signature]</i>		Signature:		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name: <i>Christian Rangel</i>		Printed Name:		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date: <i>11/10/16</i> Time:		Date: Time:		Date: Time:		Date: Time:	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY LABORATORY: 3.		RECEIVED BY LABORATORY: 3.	
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature: <i>[Signature]</i>		Signature:		Signature:		Signature:	
<input type="checkbox"/> SAME DAY NEXT DAY		<input type="checkbox"/> PDF		Printed Name: <i>Edwin Lopez</i>		Printed Name:		Printed Name:		Printed Name:	
<input type="checkbox"/> 2 DAYS		<input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____		Date: <i>11/10/16</i> Time: <i>11:15 AM</i>		Date: Time:		Date: Time:		Date: Time:	
<input type="checkbox"/> 3 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY) _____									

Page 1 of 3

OrderID: 321625100

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD № 98658

Order ID: 321625100

<b>COMPANY</b> AETL	<b>PROJECT MANAGER</b> Jim Lin
<b>COMPANY ADDRESS</b> 9824 N. Naomi St. Burbank ca 91504	<b>PHONE</b> 818-845-8200 <b>FAX</b> 818-845-8840
<b>PROJECT NAME</b>	<b>PROJECT #</b> 85208
<b>SITE NAME AND ADDRESS</b>	<b>PO #</b> 21708-SUB

AETL JOB No. \_\_\_\_\_

Page 1 of 1

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 85208.01		11/08/16	830	Soil	2.02 Jar	Ice
2	.02		915			
3	.03		920			
4	.04		1020			
5	.05		1025			
6	.06		1100			
7	.07		1105			
8	.08		1310			
9	.09		1320			
10	.10		1350			
11	.11		1400			
12	.12		1410			
13						
14						
15						

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENT
Asbestos	PCDD/F	PCB	PAH	TOC	THM	THM	THM	THM	THM	
Present/Absent										

Page 2 of 3

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				<b>RELINQUISHED BY SAMPLER:</b> 1.	<b>RELINQUISHED BY:</b> 2.	<b>RELINQUISHED BY:</b> 3.
<b>TOTAL NUMBER OF CONTAINERS</b>	<b>PROPERLY COOLED Y/N/NA</b>			Signature: <i>[Signature]</i>	Signature:	Signature:
<b>CUSTODY SEALS Y/N/NA</b>	<b>SAMPLES INTACT Y/N/NA</b>			Printed Name: <i>Camille Pagan</i>	Printed Name:	Printed Name:
<b>RECEIVED IN GOOD COND. Y/N</b>	<b>SAMPLES ACCEPTED Y/N</b>			Date: 11/08/16 Time:	Date: Time:	Date: Time:
<b>TURN AROUND TIME</b>	<b>DATA DELIVERABLE REQUIRED</b>			<b>RECEIVED BY:</b> 1.	<b>RECEIVED BY:</b> 2.	<b>RECEIVED BY LABORATORY:</b> 3.
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY NEXT DAY	<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF			Signature: <i>[Signature]</i>	Signature:	Signature:
<input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS	<input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____			Printed Name: <i>[Signature]</i>	Printed Name:	Printed Name:
<input type="checkbox"/> OTHER (PLEASE SPECIFY) _____				Date: 11/08/16 Time: 11:51 AM	Date: Time:	Date: Time:

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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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

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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 13  
Date Received 11/09/2016  
Date Reported 11/28/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: URP PIT #3  
Irwindale, CA

Enclosed please find results of analyses of 12 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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# CHAIN OF CUSTODY RECORD

No 98663

AETL JOB No.

85208

Page 1 of 1

COMPANY <u>LACDPW</u>	PROJECT MANAGER <u>GREGORY SENNA</u>
COMPANY ADDRESS <u>800 S. FREMONT AVE ALHAMBRA, CA 91803</u>	PHONE <u>626.458.4813</u>
PROJECT NAME <u>URP PEST#3</u>	FAX <u>626.458.4813</u>
SITE NAME AND ADDRESS <u>URP PEST#3</u>	PROJECT # <u>EF02414001</u>
	PO # <u>170N-190038</u>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	SVOCs	CHs	CCPs	CCPs	PCBs	PCBs	PCBs	PCBs	PCBs	
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>*(12)</u>

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
<u>131-17</u>	<u>85208.01</u>	<u>11/8/16</u>	<u>08:20</u>	<u>S</u>	<u>5/1</u>	<u>ICE/TV</u>
<u>131-18</u>	<u>85208.02</u>		<u>08:15</u>			
<u>131-19</u>	<u>85208.03</u>		<u>08:20</u>			
<u>131-20</u>	<u>85208.04</u>		<u>10:20</u>			
<u>131-21</u>	<u>85208.05</u>		<u>10:25</u>			
<u>131-22</u>	<u>85208.06</u>		<u>11:00</u>			
<u>131-23</u>	<u>85208.07</u>		<u>11:05</u>			
<u>131-24</u>	<u>85208.08</u>		<u>13:10</u>			
<u>131-25</u>	<u>85208.09</u>		<u>13:20</u>			
<u>131-26</u>	<u>85208.10</u>		<u>13:50</u>			
<u>131-27</u>	<u>85208.11</u>		<u>14:00</u>			
<u>131-28</u>	<u>85208.12</u>	<u>✓</u>	<u>14:10</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>		<b>RELINQUISHED BY SAMPLER:</b> 1. Signature: <u>[Signature]</u> Printed Name: <u>GREGORY SENNA</u> Date: <u>11/9/16</u> Time: <u>08:00</u>	<b>RELINQUISHED BY:</b> 2. Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Date: _____ Time: _____	<b>RELINQUISHED BY:</b> 3. Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Date: <u>11/9/16</u> Time: <u>11:12</u>
TOTAL NUMBER OF CONTAINERS <u>60</u>	PROPERLY COOLED Y/N/NA <u>Y</u>	CUSTODY SEALS Y/N/NA <u>Y</u>	SAMPLES INTACT Y/N/NA <u>Y</u>	SAMPLES ACCEPTED Y/N <u>Y</u>
TURN AROUND TIME	DATA DELIVERABLE REQUIRED			
<input type="checkbox"/> NORMAL <input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS	<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY)	<b>RECEIVED BY:</b> 1. Signature: <u>[Signature]</u> Printed Name: <u>CHARLOTTE PARRILLO</u> Date: <u>11/9/16</u> Time: <u>08:00</u>	<b>RECEIVED BY:</b> 2. Signature: _____ Printed Name: _____ Date: _____ Time: _____
		<b>RECEIVED BY LABORATORY:</b> 3. Signature: <u>[Signature]</u> Printed Name: <u>Leann Claude</u> Date: <u>11/09/16</u> Time: <u>11:12</u>		

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

## Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab 900 S. Fremont Ave,  
 4th Floor  
 Alhambra, CA 91803-

Telephone: (626) 458-5100  
 Attention: Gregory Sena

Project ID: EF02414001  
 Date Received 11/09/2016  
 Date Reported 11/14/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 12 samples with the following specification on 11/09/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85208.01	B1-17	11/08/2016	Soil	5
85208.02	B1-18	11/08/2016	Soil	5
85208.03	B1-19	11/08/2016	Soil	5
85208.04	B1-20	11/08/2016	Soil	5
85208.05	B1-21	11/08/2016	Soil	5
85208.06	B1-22	11/08/2016	Soil	5
85208.07	B1-23	11/08/2016	Soil	5
85208.08	B1-24	11/08/2016	Soil	5
85208.09	B1-25	11/08/2016	Soil	5
85208.10	B1-26	11/08/2016	Soil	5
85208.11	B1-27	11/08/2016	Soil	5
85208.12	B1-28	11/08/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/11/2016	3	Rush	mg/Kg
(8081A)	11/11/2016	3	Rush	ug/Kg
(8082)	11/11/2016	3	Rush	ug/Kg
(8141A)	11/11/2016	3	Rush	ug/Kg
(8151A)	11/11/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/11/2016	3	Rush	ug/Kg
(8270C)	11/11/2016	3	Rush	mg/Kg
(8310)	11/11/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/11/2016	3	Rush	mg/Kg
(M8015G)	11/11/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/11/2016	3	Rush	Percent

Continued



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Page: 1 B

## Ordered By

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4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100

Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/09/2016  
Date Reported 11/14/2016

Job Number	Order Date	Client
85208	11/09/2016	LACDPW

---

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By:  \_\_\_\_\_

Approved By:  \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP PIT #3  
Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 112216IB1

Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	85208.04
Client Sample I.D.				B1-17	B1-18	B1-19	B1-20
Date Sampled				11/08/2016	11/08/2016	11/08/2016	11/08/2016
Date Prepared			11/22/2016	11/22/2016	11/22/2016	11/22/2016	11/22/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/22/2016	11/22/2016	11/22/2016	11/22/2016	11/22/2016
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
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Chrysene	0.010	0.020	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	ND
Fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Fluorene	0.010	0.020	ND	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	ND	ND	ND	ND
Pyrene	0.010	0.020	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	85208.01	85208.02	85208.03	85208.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125		118	115	115	119	115





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 112216IB1

Our Lab I.D.			85208.05	85208.06		
Client Sample I.D.			B1-21	B1-22		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/22/2016	11/22/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/23/2016	11/23/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.010	0.020	0.0122J	0.0282		
Benzo(a)pyrene	0.010	0.020	0.0147J	0.0341		
Benzo(b)fluoranthene	0.010	0.020	ND	0.0244		
Benzo(k)fluoranthene	0.010	0.020	ND	0.0181J		
Chrysene	0.010	0.020	0.0100J	0.0251		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	0.0284		
Acenaphthene	0.010	0.020	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND		
Anthracene	0.010	0.020	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	ND	0.0119J		
Fluoranthene	0.010	0.020	0.0151J	0.0577		
Fluorene	0.010	0.020	ND	ND		
Naphthalene	0.010	0.020	ND	ND		
Phenanthrene	0.010	0.020	ND	0.0235		
Pyrene	0.010	0.020	0.0148J	0.0526		
Our Lab I.D.			85208.05	85208.06		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		121	116		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 4

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 112216IB1

Our Lab I.D.			85208.07	85208.08	85208.09		
Client Sample I.D.			B1-23	B1-24	B1-25		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/22/2016	11/22/2016	11/22/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/23/2016	11/23/2016	11/23/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			5	5	5		
Analytes	MDL	PQL	Results	Results	Results		
Benzo(a)anthracene	0.050	0.100	ND	ND	ND		
Benzo(a)pyrene	0.050	0.100	ND	ND	ND		
Benzo(b)fluoranthene	0.050	0.100	ND	ND	ND		
Benzo(k)fluoranthene	0.050	0.100	ND	ND	ND		
Chrysene	0.050	0.100	ND	ND	ND		
Dibenzo(a,h)anthracene	0.050	0.100	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND	ND	ND		
Acenaphthene	0.050	0.100	ND	ND	ND		
Acenaphthylene	0.050	0.100	ND	ND	ND		
Anthracene	0.050	0.100	ND	ND	ND		
Benzo(g,h,i)perylene	0.050	0.100	ND	ND	ND		
Fluoranthene	0.050	0.100	ND	ND	ND		
Fluorene	0.050	0.100	ND	ND	ND		
Naphthalene	0.050	0.100	ND	ND	ND		
Phenanthrene	0.050	0.100	ND	ND	ND		
Pyrene	0.050	0.100	ND	ND	ND		

### Comment(s):

85208.07: Analyzed under dilution due to matrix interference 85208.08: Analyzed under dilution due to matrix interference 85208.09: Analyzed under dilution due to matrix interference



# American Environmental Testing Laboratory Inc.

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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85208.07	85208.08	85208.09		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
p-Terphenyl-D14	75-125	86.0	88.0	99.5		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3  
 Irwindale, CA

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 112216IB1

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/22/2016	11/22/2016	11/22/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/23/2016	11/23/2016	11/23/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Benzo(a)anthracene	0.010	0.020	ND	ND	ND		
Benzo(a)pyrene	0.010	0.020	ND	ND	ND		
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND		
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND		
Chrysene	0.010	0.020	ND	ND	ND		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND		
Acenaphthene	0.010	0.020	ND	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND	ND		
Anthracene	0.010	0.020	ND	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND		
Fluoranthene	0.010	0.020	ND	ND	ND		
Fluorene	0.010	0.020	ND	ND	ND		
Naphthalene	0.010	0.020	ND	ND	ND		
Phenanthrene	0.010	0.020	ND	ND	ND		
Pyrene	0.010	0.020	ND	ND	ND		
Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
p-Terphenyl-D14	75-125		119	114	113		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016

Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04	
Client Sample I.D.			B1-17	B1-18	B1-19	B1-20	
Date Sampled			11/08/2016	11/08/2016	11/08/2016	11/08/2016	
Date Prepared		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85208.01	85208.02	85208.03	85208.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	94.0	140	107	98.0	95.2	
Tetrachloro-m-xylene	30-150	87.8	70.4	109	118	110	



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URP PIT #3  
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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016

Our Lab I.D.			85208.05	85208.06		
Client Sample I.D.			B1-21	B1-22		
Date Sampled			11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND		
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND		
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND		
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND		
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND		
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND		
Aroclor-1260 (PCB-1260)	25.0	50.0	66.0	109		
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND		
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND		
Our Lab I.D.			85208.05	85208.06		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Decachlorobiphenyl	30-150		85.6	101		
Tetrachloro-m-xylene	30-150		96.2	118		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016

Our Lab I.D.		85208.07	85208.08			
Client Sample I.D.		B1-23	B1-24			
Date Sampled		11/08/2016	11/08/2016			
Date Prepared		11/10/2016	11/10/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/10/2016	11/10/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		10	10			
Analytes	MDL	PQL	Results	Results		
Aroclor-1016 (PCB-1016)	250	500	ND	ND		
Aroclor-1221 (PCB-1221)	250	500	ND	ND		
Aroclor-1232 (PCB-1232)	250	500	ND	ND		
Aroclor-1242 (PCB-1242)	250	500	ND	ND		
Aroclor-1248 (PCB-1248)	250	500	ND	ND		
Aroclor-1254 (PCB-1254)	250	500	ND	ND		
Aroclor-1260 (PCB-1260)	250	500	ND	ND		
Aroclor-1262 (PCB-1262)	250	500	ND	ND		
Aroclor-1268 (PCB-1268)	250	500	ND	ND		

*Comment(s):*

85208.07: Analyzed under dilution due to matrix interference 85208.08: Analyzed under dilution due to matrix interference

Our Lab I.D.		85208.07	85208.08			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Decachlorobiphenyl	30-150	87.2	92.0			
Tetrachloro-m-xylene	30-150	96.6	80.0			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016

Our Lab I.D.		85208.09			
Client Sample I.D.		B1-25			
Date Sampled		11/08/2016			
Date Prepared		11/10/2016			
Preparation Method		3550B			
Date Analyzed		11/10/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85208.09: Analyzed under dilution due to matrix interference

Our Lab I.D.		85208.09			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	79.4			
Tetrachloro-m-xylene	30-150	73.9			





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URP PIT #3  
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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016

Our Lab I.D.			85208.10	85208.11	85208.12		
Client Sample I.D.			B1-26	B1-27	B1-28		
Date Sampled			11/08/2016	11/08/2016	11/08/2016		
Date Prepared			11/10/2016	11/10/2016	11/10/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/10/2016	11/10/2016	11/10/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND		
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND		
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND		
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND		
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND		
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND		
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND		
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND		
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND		
Our Lab I.D.			85208.10	85208.11	85208.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		84.0	180	112		
Tetrachloro-m-xylene	30-150		79.2	89.0	103		



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 112216IB1; Dup or Spiked Sample: 85208.12; LCS: Clean Sand; QC Prepared: 11/22/2016; QC Analyzed: 11/22/2016;  
 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
Benzo(a)anthracene	0.00	0.0500	0.0400	85.4	0.0500	0.0400	89.6	4.8	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0500	93.6	0.0500	0.0500	94.2	<1	75-125	<20
Naphthalene	0.00	0.500	0.450	89.6	0.500	0.460	92.6	3.3	75-125	<20
<b>Surrogates</b>										
p-Terphenyl-D14	0.00	0.400	0.454	114	0.400	0.471	118	3.4	75-125	<20

QC Batch No: 112216IB1; Dup or Spiked Sample: 85208.12; LCS: Clean Sand; QC Prepared: 11/22/2016; QC Analyzed: 11/22/2016;  
 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
Benzo(a)anthracene	0.0500	0.0500	90.0	0.0500	0.0400	86.8	3.6	75-125	<20
Benzo(a)pyrene	0.0500	0.0500	92.0	0.0500	0.0400	89.0	3.3	75-125	<20
Naphthalene	0.500	0.440	87.8	0.500	0.440	88.4	<1	75-125	<20
<b>LCS</b>									
Acenaphthene	0.500	0.440	88.2	0.500	0.440	87.0	1.4	75-125	<20
Acenaphthylene	1.00	0.880	88.0	1.00	0.880	87.9	<1	75-125	<20
Anthracene	0.0500	0.0400	89.2	0.0500	0.0400	88.0	1.4	75-125	<20
Benzo(b)fluoranthene	0.100	0.0900	92.5	0.100	0.0900	89.7	3.1	75-125	<20
Benzo(g,h,i)perylene	0.100	0.0800	82.7	0.100	0.0900	86.4	4.4	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0500	92.4	0.0500	0.0500	90.0	2.6	75-125	<20
Chrysene	0.0500	0.0500	91.4	0.0500	0.0400	88.4	3.3	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.0900	93.3	0.100	0.0900	91.6	1.8	75-125	<20
Fluoranthene	0.100	0.0900	87.7	0.100	0.0900	85.7	2.3	75-125	<20
Fluorene	0.100	0.0900	92.6	0.100	0.0900	89.4	3.5	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0500	92.8	0.0500	0.0500	90.4	2.6	75-125	<20
Phenanthrene	0.0500	0.0400	89.2	0.0500	0.0400	87.8	1.6	75-125	<20
Pyrene	0.0500	0.0400	87.8	0.0500	0.0400	86.0	2.1	75-125	<20
<b>Surrogates</b>									
p-Terphenyl-D14	0.400	0.456	114	0.400	0.463	116	1.7	75-125	<20



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85208	11/09/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111016; Dup or Spiked Sample: 85208.12; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	392	78.4	500	352	70.4	10.8	50-150	<20
Aroclor-1260 (PCB-1260)	0.00	500	570	114	500	545	109	4.5	50-150	<20
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	68.5	137	50.0	67.0	134	2.2	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	57.5	115	50.0	52.0	104	10.0	30-150	<20

QC Batch No: 111016; Dup or Spiked Sample: 85208.12; LCS: Clean Sand; QC Prepared: 11/10/2016; QC Analyzed: 11/10/2016;  
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	368	73.6	50-150						
Aroclor-1260 (PCB-1260)	500	530	106	50-150						
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	63.0	126	30-150						
Tetrachloro-m-xylene	50.0	47.5	95.0	30-150						



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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

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## 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

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 233  
Date Received 11/10/2016  
Date Reported 11/17/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: URP #3

Enclosed please find results of analyses of 24 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 3 pages

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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## CHAIN OF CUSTODY RECORD

No 91451

AETL JOB No. **85246**

Page 1 of 2

COMPANY <b>LACODPW</b>	PROJECT MANAGER <b>GREGORY SENNA</b>
COMPANY ADDRESS <b>900 S. FREMONT AVE, ALHAMBRA, CA 91803</b>	PHONE <b>626.458.4923</b> FAX <b>626.458.4913</b>
PROJECT NAME <b>URP PIT #3</b>	PROJECT # <b>EF02414001</b>
SITE NAME AND ADDRESS <b>URP PIT #3</b>	PO # <b>17CN-120328</b>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	TRICHS	TPH-CC	SVCS	CITs	DEPs	CPs	ANALYSTS			
X	X	X	X	X	X	X	X			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B2-1	85246.01	11/9/16	08:05	S	5/V	RECU
B2-2	85246.02		08:10			
B2-3	85246.03		08:25			
B2-4	85246.04		08:30			
B2-5	85246.05		08:35			
B2-6	85246.06		08:40			
B2-7	85246.07		09:05			
B2-8	85246.08		09:10			
B2-9	85246.09		09:20			
B2-10	85246.10		09:25			
B2-11	85246.11		09:50			
B2-12	85246.12		09:55			
B2-13	85246.13		10:20			
B2-14	85246.14		10:25			
B2-15	85246.15		10:45			

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				<b>RELINQUISHED BY SAMPLER:</b> 1.	<b>RELINQUISHED BY:</b> 2.	<b>RELINQUISHED BY:</b> 3.
TOTAL NUMBER OF CONTAINERS <b>75</b>	PROPERLY COOLED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA			Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
CUSTODY SEALS <input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA			Printed Name: <b>GREGORY SENNA</b>	Printed Name: <b>RLM</b>	Printed Name: _____
RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			Date: <b>11/9/16</b> Time: <b>17:00</b>	Date: <b>11/16/16</b> Time: <b>16:50</b>	Date: _____ Time: _____
<b>TURN AROUND TIME</b>		<b>DATA DELIVERABLE REQUIRED</b>		<b>RECEIVED BY:</b> 1.	<b>RECEIVED BY:</b> 2.	<b>RECEIVED BY LABORATORY:</b> 3.
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS	<input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) _____ <input type="checkbox"/> OTHER (PLEASE SPECIFY) _____		Signature: <i>[Signature]</i>	Signature: _____	Signature: <i>[Signature]</i>
				Printed Name: <b>RLM</b>	Printed Name: _____	Printed Name: <b>Christi Wershadow</b>
				Date: <b>11/10/16</b> Time: <b>07:00</b>	Date: _____ Time: _____	Date: <b>11/10/16</b> Time: <b>16:50</b>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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## CHAIN OF CUSTODY RECORD

No 77584

Page 2 of 2

COMPANY: LACODPW - CMED PROJECT MANAGER: GREGORY SENA  
 COMPANY ADDRESS: 900 S. FREMONT AVE. PHONE: 626.458.4923  
 ALHAMBRA, CA 91803-1331 FAX: 626.458.4913  
 PROJECT NAME: WRP PIT #3 PROJECT #: EF02414001  
 SITE NAME AND ADDRESS: WRP PIT #3 PO #: 17001-700328

AETL JOB No. 85246

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
VOCs	TPH-CC	SVCS	CHS	CCPS	CPs	RESISTED	OTHER	OTHER	OTHER	
80600	80600	80700	8151A	8081A	8141A	8001A-9116				
X	X	X	X	X	X	X				

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B2-16	85246.16	11/9/16	10:50	S	5 IV	ICEN
B2-17	85246.17		11:20			
B2-18	85246.18		11:25			
B2-19	85246.19		12:30			
B2-20	85246.20		13:35			
B2-21	85246.21		14:15			
B2-22	85246.22		14:20			
B2-23	85246.23		15:25			
B2-24	85246.24		15:30			

**SAMPLE RECEIPT - TO BE FILLED BY LABORATORY**

TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED <input checked="" type="checkbox"/> Y / N / NA	RELINQUISHED BY SAMPLER: 1. Signature: [Signature] Printed Name: GREGORY SENA Date: 11/9/16 Time: 17:00	RELINQUISHED BY: 2. Signature: [Signature] Printed Name: RLM Date: 11/10/16 Time: 16:50	RELINQUISHED BY: 3. Signature: [Signature] Printed Name: [Signature] Date: [Date] Time: [Time]
CUSTODY SEALS <input checked="" type="checkbox"/> Y / N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y / N / NA	RECEIVED BY: 1. Signature: [Signature] Printed Name: RLM Date: 11/10/16 Time: 07:00	RECEIVED BY: 2. Signature: [Signature] Printed Name: [Signature] Date: [Date] Time: [Time]	RECEIVED BY LABORATORY: 3. Signature: [Signature] Printed Name: Christine Navadanya Date: 11/10/16 Time: 16:50
RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y / N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / N	TURN AROUND TIME: <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS		

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/17/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 24 samples with the following specification on 11/10/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85246.01	B2-1	11/09/2016	Soil	5
85246.02	B2-2	11/09/2016	Soil	5
85246.03	B2-3	11/09/2016	Soil	5
85246.04	B2-4	11/09/2016	Soil	5
85246.05	B2-5	11/09/2016	Soil	5
85246.06	B2-6	11/09/2016	Soil	5
85246.07	B2-7	11/09/2016	Soil	5
85246.08	B2-8	11/09/2016	Soil	5
85246.09	B2-9	11/09/2016	Soil	5
85246.10	B2-10	11/09/2016	Soil	5
85246.11	B2-11	11/09/2016	Soil	5
85246.12	B2-12	11/09/2016	Soil	5
85246.13	B2-13	11/09/2016	Soil	5
85246.14	B2-14	11/09/2016	Soil	5
85246.15	B2-15	11/09/2016	Soil	5
85246.16	B2-16	11/09/2016	Soil	5
85246.17	B2-17	11/09/2016	Soil	5
85246.18	B2-18	11/09/2016	Soil	5
85246.19	B2-19	11/09/2016	Soil	5
85246.20	B2-20	11/09/2016	Soil	5
85246.21	B2-21	11/09/2016	Soil	5
85246.22	B2-22	11/09/2016	Soil	5
85246.23	B2-23	11/09/2016	Soil	5
85246.24	B2-24	11/09/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
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Continued



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Page: 1 B

### Ordered By

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4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/17/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/14/2016	3	Rush	mg/Kg
(8081A)	11/14/2016	3	Rush	ug/Kg
(8082)	11/14/2016	3	Rush	ug/Kg
(8141A)	11/14/2016	3	Rush	ug/Kg
(8151A)	11/14/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/14/2016	3	Rush	ug/Kg
(8270C)	11/14/2016	3	Rush	mg/Kg
(8310)	11/14/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/14/2016	3	Rush	mg/Kg
(M8015G)	11/14/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/14/2016	3	Rush	Percent

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			Method Blank	85246.01	85246.02	85246.03	85246.04
Client Sample I.D.				B2-1	B2-2	B2-3	B2-4
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 3

Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			Method Blank	85246.01	85246.02	85246.03	85246.04
Client Sample I.D.				B2-1	B2-2	B2-3	B2-4
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 4

Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.		Method Blank	85246.01	85246.02	85246.03	85246.04	
Client Sample I.D.			B2-1	B2-2	B2-3	B2-4	
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85246.01	85246.02	85246.03	85246.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	105	105	106	103	88.2	
Dibromofluoromethane	75-125	113	118	118	119	117	
Toluene-d8	75-125	108	107	107	105	106	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Client Sample I.D.			B2-5	B2-6	B2-7	B2-8	B2-9
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	4.84J	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Client Sample I.D.			B2-5	B2-6	B2-7	B2-8	B2-9
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	4.80J	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Client Sample I.D.			B2-5	B2-6	B2-7	B2-8	B2-9
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		106	111	104	91.4	114
Dibromofluoromethane	75-125		118	116	119	119	120
Toluene-d8	75-125		105	105	107	106	112





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.			85246.10			
Client Sample I.D.			B2-10			
Date Sampled			11/09/2016			
Date Prepared			11/12/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

Our Lab I.D.		85246.10				
Client Sample I.D.		B2-10				
Date Sampled		11/09/2016				
Date Prepared		11/12/2016				
Preparation Method		5035A				
Date Analyzed		11/13/2016				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2

<b>Our Lab I.D.</b>			85246.10			
Client Sample I.D.			B2-10			
Date Sampled			11/09/2016			
Date Prepared			11/12/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.10			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		88.7			
Dibromofluoromethane	75-125		113			
Toluene-d8	75-125		121			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			Method Blank	85246.11		
Client Sample I.D.				B2-11		
Date Sampled				11/09/2016		
Date Prepared			11/13/2016	11/13/2016		
Preparation Method			5030	5035A		
Date Analyzed			11/13/2016	11/14/2016		
Matrix			Soil	Soil		
Units			ug/Kg	ug/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acetone	25	50	ND	ND		
Benzene	1.0	10.0	ND	1.40J		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND		
2-Butanone (MEK)	25	50	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND		
Carbon Disulfide	25	50	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND		
Chloroethane	15	30	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND		
Dibromomethane	5.0	10.0	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			Method Blank	85246.11			
Client Sample I.D.				B2-11			
Date Sampled				11/09/2016			
Date Prepared			11/13/2016	11/13/2016			
Preparation Method			5030	5035A			
Date Analyzed			11/13/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	1.39J			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			



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## ANALYTICAL RESULTS

Page: 13

Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.		Method Blank	85246.11			
Client Sample I.D.			B2-11			
Date Sampled			11/09/2016			
Date Prepared		11/13/2016	11/13/2016			
Preparation Method		5030	5035A			
Date Analyzed		11/13/2016	11/14/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
tert-Butyl alcohol (TBA)	20	500	ND	ND		
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND		
Ethyl alcohol (Ethanol)	100	500	ND	ND		
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND		
Our Lab I.D.		Method Blank	85246.11			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	105	124			
Dibromofluoromethane	75-125	116	125			
Toluene-d8	75-125	106	110			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			Method Blank	85246.12	85246.13	85246.14	
Client Sample I.D.				B2-12	B2-13	B2-14	
Date Sampled				11/09/2016	11/09/2016	11/09/2016	
Date Prepared			11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.		Method Blank	85246.12	85246.13	85246.14	
Client Sample I.D.			B2-12	B2-13	B2-14	
Date Sampled			11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Preparation Method		5030	5035A	5035A	5035A	
Date Analyzed		11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.		Method Blank	85246.12	85246.13	85246.14	
Client Sample I.D.			B2-12	B2-13	B2-14	
Date Sampled			11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Preparation Method		5030	5035A	5035A	5035A	
Date Analyzed		11/13/2016	11/13/2016	11/13/2016	11/13/2016	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85246.12	85246.13	85246.14	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	104	104	103	91.8	
Dibromofluoromethane	75-125	117	117	120	116	
Toluene-d8	75-125	106	106	104	108	



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## ANALYTICAL RESULTS

### Ordered By

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900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5030			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5030			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	1.27J			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

<b>Our Lab I.D.</b>			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5030			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.15			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		121			
Dibromofluoromethane	75-125		118			
Toluene-d8	75-125		109			



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 20

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.			B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.			B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.			B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/13/2016	11/13/2016	11/13/2016	11/13/2016	11/13/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		92.7	106	106	108	105
Dibromofluoromethane	75-125		109	119	107	106	114
Toluene-d8	75-125		107	105	105	105	105



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 23

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.21			
Client Sample I.D.			B2-21			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.21			
Client Sample I.D.			B2-21			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

<b>Our Lab I.D.</b>			85246.21			
Client Sample I.D.			B2-21			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.21			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		105			
Dibromofluoromethane	75-125		118			
Toluene-d8	75-125		107			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.22			
Client Sample I.D.			B2-22			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.22			
Client Sample I.D.			B2-22			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	1.31J			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

<b>Our Lab I.D.</b>			85246.22			
Client Sample I.D.			B2-22			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.22			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		104			
Dibromofluoromethane	75-125		117			
Toluene-d8	75-125		105			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 29

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.23			
Client Sample I.D.			B2-23			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

Our Lab I.D.			85246.23			
Client Sample I.D.			B2-23			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1

<b>Our Lab I.D.</b>			85246.23			
Client Sample I.D.			B2-23			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/13/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.23			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		104			
Dibromofluoromethane	75-125		116			
Toluene-d8	75-125		105			





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## ANALYTICAL RESULTS

### Ordered By

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 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

Our Lab I.D.			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	1.50J			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2

<b>Our Lab I.D.</b>			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/13/2016			
Preparation Method			5035A			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
tert-Butyl alcohol (TBA)	20	500	ND			
Diisopropyl ether (DIPE)	2.0	10.0	ND			
Ethyl alcohol (Ethanol)	100	500	ND			
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
tert-Amyl methyl ether (TAME)	2.0	10.0	ND			
<b>Our Lab I.D.</b>			85246.24			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Bromofluorobenzene	75-125		102			
Dibromofluoromethane	75-125		114			
Toluene-d8	75-125		105			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B2

<b>Our Lab I.D.</b>			Method Blank	<b>85246.01</b>	<b>85246.02</b>	<b>85246.03</b>	<b>85246.04</b>
Client Sample I.D.				B2-1	B2-2	B2-3	B2-4
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/11/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
<b>Our Lab I.D.</b>			Method Blank	<b>85246.01</b>	<b>85246.02</b>	<b>85246.03</b>	<b>85246.04</b>
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>
Bromofluorobenzene	75-125		90.6	96.0	100	94.6	93.2



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### Site

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Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B2

Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Client Sample I.D.			B2-5	B2-6	B2-7	B2-8	B2-9
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
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
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		99.0	90.2	93.6	91.2	90.0



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B2

Our Lab I.D.			85246.10	85246.11	85246.12		
Client Sample I.D.			B2-10	B2-11	B2-12		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/09/2016	11/09/2016	11/09/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/12/2016	11/12/2016	11/12/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			85246.10	85246.11	85246.12		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		97.8	90.6	94.6		



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Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B3

<b>Our Lab I.D.</b>			Method Blank	<b>85246.13</b>	<b>85246.14</b>	<b>85246.15</b>	<b>85246.16</b>
Client Sample I.D.				B2-13	B2-14	B2-15	B2-16
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/13/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
<b>Our Lab I.D.</b>			Method Blank	<b>85246.13</b>	<b>85246.14</b>	<b>85246.15</b>	<b>85246.16</b>
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>
Bromofluorobenzene	75-125		98.4	99.6	93.4	97.0	87.6



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B3

<b>Our Lab I.D.</b>			<b>85246.17</b>	<b>85246.18</b>	<b>85246.19</b>	<b>85246.20</b>	<b>85246.21</b>
Client Sample I.D.			B2-17	B2-18	B2-19	B2-20	B2-21
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/13/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
<b>Our Lab I.D.</b>			<b>85246.17</b>	<b>85246.18</b>	<b>85246.19</b>	<b>85246.20</b>	<b>85246.21</b>
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>
Bromofluorobenzene	75-125		88.2	90.6	95.8	95.4	93.0





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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 111116OB3

<b>Our Lab I.D.</b>			<b>85246.22</b>	<b>85246.23</b>	<b>85246.24</b>		
Client Sample I.D.			B2-22	B2-23	B2-24		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/09/2016	11/09/2016	11/09/2016		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			11/13/2016	11/13/2016	11/13/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
<b>Our Lab I.D.</b>			<b>85246.22</b>	<b>85246.23</b>	<b>85246.24</b>		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>		
Bromofluorobenzene	75-125		93.8	94.0	98.4		



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

Our Lab I.D.			Method Blank	85246.01	85246.02	85246.03	
Client Sample I.D.				B2-1	B2-2	B2-3	
Date Sampled				11/09/2016	11/09/2016	11/09/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	73.6	12.3	219	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	73.6	12.3	219	
Our Lab I.D.			Method Blank	85246.01	85246.02	85246.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		92.8	93.5	114	106	



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

<b>Our Lab I.D.</b>			<b>85246.04</b>			
Client Sample I.D.			B2-4			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/11/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	2.0	10	276			
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	1,660			
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	1,940			
<b>Our Lab I.D.</b>			<b>85246.04</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		97.4			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

<b>Our Lab I.D.</b>			<b>85246.05</b>			
Client Sample I.D.			B2-5			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	1.0	5.0	30.8			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	319			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	350			
<b>Our Lab I.D.</b>			<b>85246.05</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		104			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

<b>Our Lab I.D.</b>			<b>85246.06</b>			
Client Sample I.D.			B2-6			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	2.0	10	ND			
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	302			
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	302			
<b>Our Lab I.D.</b>			<b>85246.06</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		99.5			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

<b>Our Lab I.D.</b>			<b>85246.07</b>			
Client Sample I.D.			B2-7			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	1.0	5.0	67.0			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	872			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	939			
<b>Our Lab I.D.</b>			<b>85246.07</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		103			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

Our Lab I.D.			85246.08	85246.09		
Client Sample I.D.			B2-8	B2-9		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			2	2		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	2.0	10	123	70.6		
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	1,410	782		
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	1,530	853		
Our Lab I.D.			85246.08	85246.09		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		101	98.2		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

Our Lab I.D.			85246.10	85246.11		
Client Sample I.D.			B2-10	B2-11		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	13.6		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	154	420		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	154	434		
Our Lab I.D.			85246.10	85246.11		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		120	101		





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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

<b>Our Lab I.D.</b>			<b>85246.12</b>			
Client Sample I.D.			B2-12			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	2.0	10	ND			
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	138			
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	138			
<b>Our Lab I.D.</b>			<b>85246.12</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		98.0			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

<b>Our Lab I.D.</b>			Method Blank	85246.13		
Client Sample I.D.				B2-13		
Date Sampled				11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	85246.13		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>		
Chlorobenzene	75-125		99.9	104		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

<b>Our Lab I.D.</b>			<b>85246.14</b>			
Client Sample I.D.			B2-14			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	2.0	10	41.9			
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	1,040			
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	1,080			
<b>Our Lab I.D.</b>			<b>85246.14</b>			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		97.4			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

Our Lab I.D.			85246.15	85246.16		
Client Sample I.D.			B2-15	B2-16		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	25.2	29.3		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	242	587		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	267	616		
Our Lab I.D.			85246.15	85246.16		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		105	103		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

<b>Our Lab I.D.</b>			85246.17			
Client Sample I.D.			B2-17			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/12/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			2			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
TPH as Diesel (C13-C22)	2.0	10	ND			
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	261			
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	261			
<b>Our Lab I.D.</b>			85246.17			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Chlorobenzene	75-125		98.3			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

Our Lab I.D.			85246.18	85246.19		
Client Sample I.D.			B2-18	B2-19		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	15.6	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	285	178		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	301	178		
Our Lab I.D.			85246.18	85246.19		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		104	99.4		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

Our Lab I.D.			85246.20	85246.21	85246.22		
Client Sample I.D.			B2-20	B2-21	B2-22		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016	11/11/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016	11/12/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Diesel (C13-C22)	2.0	10	36.7	39.1	9.00J		
TPH as Heavy Hydrocarbons (C23-C40)	2.0	10	638	901	326		
TPH Total as Diesel and Heavy HC.C13-C40	2.0	10	675	940	335		
Our Lab I.D.			85246.20	85246.21	85246.22		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Chlorobenzene	75-125		99.2	99.8	107		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 55

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3

Our Lab I.D.			85246.23	85246.24		
Client Sample I.D.			B2-23	B2-24		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/12/2016	11/12/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND		
Our Lab I.D.			85246.23	85246.24		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene	75-125		102	97.6		





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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acenaphthene	0.25	0.50	ND			
Acenaphthylene	0.25	0.50	ND			
Anthracene	0.25	0.50	ND			
Azobenzene	0.25	0.50	ND			
Benzidine	0.25	0.50	ND			
Benzo(a)anthracene	0.25	0.50	ND			
Benzo(a)pyrene	0.25	0.50	ND			
Benzo(b)fluoranthene	0.25	0.50	ND			
Benzo(g,h,i)perylene	0.25	0.50	ND			
Benzo(k)fluoranthene	0.25	0.50	ND			
Benzoic Acid	0.25	0.50	ND			
Benzyl Alcohol	0.25	0.50	ND			
Bis(2-Chloroethoxy)methane	0.25	0.50	ND			
Bis(2-Chloroethyl)ether	0.25	0.50	ND			
Bis(2-chloroisopropyl) ether	0.25	0.50	ND			
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND			
4-Bromophenyl phenyl ether	0.25	0.50	ND			
Butyl benzyl phthalate	0.25	0.50	ND			
4-Chloro-3-methylphenol	0.25	0.50	ND			
4-Chloroaniline	0.25	0.50	ND			
2-Chloronaphthalene	0.25	0.50	ND			
2-Chlorophenol	0.25	0.50	ND			
4-Chlorophenyl phenyl ether	0.25	0.50	ND			
Chrysene	0.25	0.50	ND			
Di-n-butyl phthalate	0.25	0.50	ND			
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND			
Dibenzo(a,h)anthracene	0.25	0.50	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Dibenzofuran	0.25	0.50	ND			
1,2-Dichlorobenzene	0.25	0.50	ND			
1,3-Dichlorobenzene	0.25	0.50	ND			
1,4-Dichlorobenzene	0.25	0.50	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND			
2,4-Dichlorophenol	0.25	0.50	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND			
2,4-Dimethylphenol	0.25	0.50	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND			
2,4-Dinitrophenol	0.25	0.50	ND			
2,4-Dinitrotoluene	0.25	0.50	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND			
Fluoranthene	0.25	0.50	ND			
Fluorene	0.25	0.50	ND			
Hexachlorobenzene	0.25	0.50	ND			
Hexachlorobutadiene	0.25	0.50	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND			
Hexachloroethane	0.25	0.50	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND			
Isophorone	0.25	0.50	ND			
2-Methylnaphthalene	0.25	0.50	ND			
4-Methylphenol	0.25	0.50	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND			
Naphthalene	0.25	0.50	ND			
2-Nitroaniline	0.25	0.50	ND			
3-Nitroaniline	0.25	0.50	ND			
4-Nitroaniline	0.25	0.50	ND			
Nitrobenzene (NB)	0.25	0.50	ND			
4-Nitrophenol	0.25	0.50	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND			
N-nitrosodiphenylamine	0.25	0.50	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			11/11/2016				
Preparation Method			3550B				
Date Analyzed			11/15/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	0.25	0.50	ND				
Phenanthrene	0.25	0.50	ND				
Phenol	0.25	0.50	ND				
Pyrene	0.25	0.50	ND				
1,2,4-Trichlorobenzene	0.25	0.50	ND				
2,4,5-Trichlorophenol	0.25	0.50	ND				
2,4,6-Trichlorophenol	0.25	0.50	ND				
<b>Our Lab I.D.</b>			Method Blank				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		91.2				
2-Fluorobiphenyl	30-115		100				
Nitrobenzene-d5	23-120		92.4				
Phenol-d6	21-113		90.0				
p-Terphenyl-D14	18-137		120				
2,4,6-Tribromophenol	19-122		101				



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 59

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.01	85246.02			
Client Sample I.D.			B2-1	B2-2			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/16/2016	11/15/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			4	4			
Analytes	MDL	PQL	Results	Results			
Acenaphthene	1.00	2.00	ND	ND			
Acenaphthylene	1.00	2.00	ND	ND			
Anthracene	1.00	2.00	ND	ND			
Azobenzene	1.00	2.00	ND	ND			
Benzidine	1.00	2.00	ND	ND			
Benzo(a)anthracene	1.00	2.00	ND	ND			
Benzo(a)pyrene	1.00	2.00	ND	ND			
Benzo(b)fluoranthene	1.00	2.00	ND	ND			
Benzo(g,h,i)perylene	1.00	2.00	ND	ND			
Benzo(k)fluoranthene	1.00	2.00	ND	ND			
Benzoic Acid	1.00	2.00	ND	ND			
Benzyl Alcohol	1.00	2.00	ND	ND			
Bis(2-Chloroethoxy)methane	1.00	2.00	ND	ND			
Bis(2-Chloroethyl)ether	1.00	2.00	ND	ND			
Bis(2-chloroisopropyl) ether	1.00	2.00	ND	ND			
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND	ND			
4-Bromophenyl phenyl ether	1.00	2.00	ND	ND			
Butyl benzyl phthalate	1.00	2.00	ND	ND			
4-Chloro-3-methylphenol	1.00	2.00	ND	ND			
4-Chloroaniline	1.00	2.00	ND	ND			
2-Chloronaphthalene	1.00	2.00	ND	ND			
2-Chlorophenol	1.00	2.00	ND	ND			
4-Chlorophenyl phenyl ether	1.00	2.00	ND	ND			
Chrysene	1.00	2.00	ND	ND			
Di-n-butyl phthalate	1.00	2.00	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND	ND			
Dibenzo(a,h)anthracene	1.00	2.00	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.01	85246.02			
Client Sample I.D.			B2-1	B2-2			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/16/2016	11/15/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			4	4			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	1.00	2.00	ND	ND			
1,2-Dichlorobenzene	1.00	2.00	ND	ND			
1,3-Dichlorobenzene	1.00	2.00	ND	ND			
1,4-Dichlorobenzene	1.00	2.00	ND	ND			
3,3'-Dichlorobenzidine	1.00	2.00	ND	ND			
2,4-Dichlorophenol	1.00	2.00	ND	ND			
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND	ND			
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND	ND			
2,4-Dimethylphenol	1.00	2.00	ND	ND			
4,6-Dinitro-2-methylphenol	1.00	2.00	ND	ND			
2,4-Dinitrophenol	1.00	2.00	ND	ND			
2,4-Dinitrotoluene	1.00	2.00	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND	ND			
Fluoranthene	1.00	2.00	ND	ND			
Fluorene	1.00	2.00	ND	ND			
Hexachlorobenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene	1.00	2.00	ND	ND			
Hexachlorocyclopentadiene	1.00	2.00	ND	ND			
Hexachloroethane	1.00	2.00	ND	ND			
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND	ND			
Isophorone	1.00	2.00	ND	ND			
2-Methylnaphthalene	1.00	2.00	ND	ND			
4-Methylphenol	1.00	2.00	ND	ND			
2-Methylphenol (2-Cresol)	1.00	2.00	ND	ND			
3-Methylphenol (3-Cresol)	1.00	2.00	ND	ND			
N-Nitroso-Di-n-propylamine	1.00	2.00	ND	ND			
Naphthalene	1.00	2.00	ND	ND			
2-Nitroaniline	1.00	2.00	ND	ND			
3-Nitroaniline	1.00	2.00	ND	ND			
4-Nitroaniline	1.00	2.00	ND	ND			
Nitrobenzene (NB)	1.00	2.00	ND	ND			
4-Nitrophenol	1.00	2.00	ND	ND			
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND	ND			
N-nitrosodiphenylamine	1.00	2.00	ND	ND			



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## ANALYTICAL RESULTS

Page: 61

Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.		85246.01	85246.02			
Client Sample I.D.		B2-1	B2-2			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/11/2016	11/11/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/16/2016	11/15/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		4	4			
Analytes	MDL	PQL	Results	Results		
Pentachlorophenol	1.00	2.00	ND	ND		
Phenanthrene	1.00	2.00	ND	ND		
Phenol	1.00	2.00	ND	ND		
Pyrene	1.00	2.00	ND	ND		
1,2,4-Trichlorobenzene	1.00	2.00	ND	ND		
2,4,5-Trichlorophenol	1.00	2.00	ND	ND		
2,4,6-Trichlorophenol	1.00	2.00	ND	ND		

*Comment(s):*

85246.01: Analyzed under dilution due to matrix interference 85246.02: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.01	85246.02			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
2-Fluorophenol	25-121	48.0	65.0			
2-Fluorobiphenyl	30-115	76.4	87.6			
Nitrobenzene-d5	23-120	66.4	78.8			
Phenol-d6	21-113	31.2	60.0			
p-Terphenyl-D14	18-137	84.4	99.2			
2,4,6-Tribromophenol	19-122	64.0	68.0			



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 62

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.03	85246.04	85246.05		
Client Sample I.D.			B2-3	B2-4	B2-5		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016	11/11/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/15/2016	11/15/2016	11/15/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			16	16	16		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	4.00	8	ND	ND	ND		
Acenaphthylene	4.00	8	ND	ND	ND		
Anthracene	4.00	8	ND	ND	ND		
Azobenzene	4.00	8	ND	ND	ND		
Benzidine	4.00	8	ND	ND	ND		
Benzo(a)anthracene	4.00	8	ND	ND	ND		
Benzo(a)pyrene	4.00	8	ND	ND	ND		
Benzo(b)fluoranthene	4.00	8	ND	ND	ND		
Benzo(g,h,i)perylene	4.00	8	ND	ND	ND		
Benzo(k)fluoranthene	4.00	8	ND	ND	ND		
Benzoic Acid	4.00	8	ND	ND	ND		
Benzyl Alcohol	4.00	8	ND	ND	ND		
Bis(2-Chloroethoxy)methane	4.00	8	ND	ND	ND		
Bis(2-Chloroethyl)ether	4.00	8	ND	ND	ND		
Bis(2-chloroisopropyl) ether	4.00	8	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	4.00	8	ND	ND	ND		
4-Bromophenyl phenyl ether	4.00	8	ND	ND	ND		
Butyl benzyl phthalate	4.00	8	ND	ND	ND		
4-Chloro-3-methylphenol	4.00	8	ND	ND	ND		
4-Chloroaniline	4.00	8	ND	ND	ND		
2-Chloronaphthalene	4.00	8	ND	ND	ND		
2-Chlorophenol	4.00	8	ND	ND	ND		
4-Chlorophenyl phenyl ether	4.00	8	ND	ND	ND		
Chrysene	4.00	8	ND	ND	ND		
Di-n-butyl phthalate	4.00	8	ND	ND	ND		
Di-n-octyl phthalate (Diocetyl ester)	4.00	8	ND	ND	ND		
Dibenzo(a,h)anthracene	4.00	8	ND	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.03	85246.04	85246.05		
Client Sample I.D.			B2-3	B2-4	B2-5		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016	11/11/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/15/2016	11/15/2016	11/15/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			16	16	16		
Analytes	MDL	PQL	Results	Results	Results		
Dibenzofuran	4.00	8	ND	ND	ND		
1,2-Dichlorobenzene	4.00	8	ND	ND	ND		
1,3-Dichlorobenzene	4.00	8	ND	ND	ND		
1,4-Dichlorobenzene	4.00	8	ND	ND	ND		
3,3'-Dichlorobenzidine	4.00	8	ND	ND	ND		
2,4-Dichlorophenol	4.00	8	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	4.00	8	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	4.00	8	ND	ND	ND		
2,4-Dimethylphenol	4.00	8	ND	ND	ND		
4,6-Dinitro-2-methylphenol	4.00	8	ND	ND	ND		
2,4-Dinitrophenol	4.00	8	ND	ND	ND		
2,4-Dinitrotoluene	4.00	8	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	4.00	8	ND	ND	ND		
Fluoranthene	4.00	8	ND	ND	ND		
Fluorene	4.00	8	ND	ND	ND		
Hexachlorobenzene	4.00	8	ND	ND	ND		
Hexachlorobutadiene	4.00	8	ND	ND	ND		
Hexachlorocyclopentadiene	4.00	8	ND	ND	ND		
Hexachloroethane	4.00	8	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	4.00	8	ND	ND	ND		
Isophorone	4.00	8	ND	ND	ND		
2-Methylnaphthalene	4.00	8	ND	ND	ND		
4-Methylphenol	4.00	8	ND	ND	ND		
2-Methylphenol (2-Cresol)	4.00	8	ND	ND	ND		
3-Methylphenol (3-Cresol)	4.00	8	ND	ND	ND		
N-Nitroso-Di-n-propylamine	4.00	8	ND	ND	ND		
Naphthalene	4.00	8	ND	ND	ND		
2-Nitroaniline	4.00	8	ND	ND	ND		
3-Nitroaniline	4.00	8	ND	ND	ND		
4-Nitroaniline	4.00	8	ND	ND	ND		
Nitrobenzene (NB)	4.00	8	ND	ND	ND		
4-Nitrophenol	4.00	8	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	4.00	8	ND	ND	ND		
N-nitrosodiphenylamine	4.00	8	ND	ND	ND		





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.		85246.03	85246.04	85246.05		
Client Sample I.D.		B2-3	B2-4	B2-5		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/11/2016	11/11/2016	11/11/2016		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		11/15/2016	11/15/2016	11/15/2016		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		16	16	16		
Analytes	MDL	PQL	Results	Results	Results	
Pentachlorophenol	4.00	8	ND	ND	ND	
Phenanthrene	4.00	8	ND	ND	ND	
Phenol	4.00	8	ND	ND	ND	
Pyrene	4.00	8	ND	ND	ND	
1,2,4-Trichlorobenzene	4.00	8	ND	ND	ND	
2,4,5-Trichlorophenol	4.00	8	ND	ND	ND	
2,4,6-Trichlorophenol	4.00	8	ND	ND	ND	

*Comment(s):*

85246.03: Analyzed under dilution due to matrix interference 85246.04: Analyzed under dilution due to matrix interference 85246.05: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.03	85246.04	85246.05		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121	21.2 S6	13.9 S6	11.2 S6		
2-Fluorobiphenyl	30-115	58.0	61.2	62.4		
Nitrobenzene-d5	23-120	39.0	48.0	46.8		
Phenol-d6	21-113	0.0 S6	0.0 S6	0.0 S6		
p-Terphenyl-D14	18-137	64.8	68.8	72.8		
2,4,6-Tribromophenol	19-122	39.6	40.0	41.2		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.	85246.06		
Client Sample I.D.	B2-6		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.	85246.06		
Client Sample I.D.	B2-6		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Dibenzofuran	1.00	2.00	ND
1,2-Dichlorobenzene	1.00	2.00	ND
1,3-Dichlorobenzene	1.00	2.00	ND
1,4-Dichlorobenzene	1.00	2.00	ND
3,3'-Dichlorobenzidine	1.00	2.00	ND
2,4-Dichlorophenol	1.00	2.00	ND
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND
2,4-Dimethylphenol	1.00	2.00	ND
4,6-Dinitro-2-methylphenol	1.00	2.00	ND
2,4-Dinitrophenol	1.00	2.00	ND
2,4-Dinitrotoluene	1.00	2.00	ND
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND
Fluoranthene	1.00	2.00	ND
Fluorene	1.00	2.00	ND
Hexachlorobenzene	1.00	2.00	ND
Hexachlorobutadiene	1.00	2.00	ND
Hexachlorocyclopentadiene	1.00	2.00	ND
Hexachloroethane	1.00	2.00	ND
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND
Isophorone	1.00	2.00	ND
2-Methylnaphthalene	1.00	2.00	ND
4-Methylphenol	1.00	2.00	ND
2-Methylphenol (2-Cresol)	1.00	2.00	ND
3-Methylphenol (3-Cresol)	1.00	2.00	ND
N-Nitroso-Di-n-propylamine	1.00	2.00	ND
Naphthalene	1.00	2.00	ND
2-Nitroaniline	1.00	2.00	ND
3-Nitroaniline	1.00	2.00	ND
4-Nitroaniline	1.00	2.00	ND
Nitrobenzene (NB)	1.00	2.00	ND
4-Nitrophenol	1.00	2.00	ND
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND
N-nitrosodiphenylamine	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

<b>Our Lab I.D.</b>			85246.06				
Client Sample I.D.			B2-6				
Date Sampled			11/09/2016				
Date Prepared			11/11/2016				
Preparation Method			3550B				
Date Analyzed			11/16/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85246.06: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85246.06				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		73.0				
2-Fluorobiphenyl	30-115		90.0				
Nitrobenzene-d5	23-120		78.4				
Phenol-d6	21-113		59.0				
p-Terphenyl-D14	18-137		96.8				
2,4,6-Tribromophenol	19-122		79.0				



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## ANALYTICAL RESULTS

### Ordered By

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GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.07	85246.08	85246.09	85246.10	85246.11
Client Sample I.D.			B2-7	B2-8	B2-9	B2-10	B2-11
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/16/2016	11/16/2016	11/16/2016	11/15/2016	11/15/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			16	16	16	16	16
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	4.00	8	ND	ND	ND	ND	ND
Acenaphthylene	4.00	8	ND	ND	ND	ND	ND
Anthracene	4.00	8	ND	ND	ND	ND	ND
Azobenzene	4.00	8	ND	ND	ND	ND	ND
Benzidine	4.00	8	ND	ND	ND	ND	ND
Benzo(a)anthracene	4.00	8	ND	ND	ND	ND	ND
Benzo(a)pyrene	4.00	8	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	4.00	8	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	4.00	8	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	4.00	8	ND	ND	ND	ND	ND
Benzoic Acid	4.00	8	ND	ND	ND	ND	ND
Benzyl Alcohol	4.00	8	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	4.00	8	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	4.00	8	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	4.00	8	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	4.00	8	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	4.00	8	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.00	8	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	4.00	8	ND	ND	ND	ND	ND
4-Chloroaniline	4.00	8	ND	ND	ND	ND	ND
2-Chloronaphthalene	4.00	8	ND	ND	ND	ND	ND
2-Chlorophenol	4.00	8	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	4.00	8	ND	ND	ND	ND	ND
Chrysene	4.00	8	ND	ND	ND	ND	ND
Di-n-butyl phthalate	4.00	8	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	4.00	8	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	4.00	8	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.			85246.07	85246.08	85246.09	85246.10	85246.11
Client Sample I.D.			B2-7	B2-8	B2-9	B2-10	B2-11
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/16/2016	11/16/2016	11/16/2016	11/15/2016	11/15/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			16	16	16	16	16
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	4.00	8	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	4.00	8	ND	ND	ND	ND	ND
2,4-Dichlorophenol	4.00	8	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	4.00	8	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	4.00	8	ND	ND	ND	ND	ND
2,4-Dimethylphenol	4.00	8	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.00	8	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.00	8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	4.00	8	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	4.00	8	ND	ND	ND	ND	ND
Fluoranthene	4.00	8	ND	ND	ND	ND	ND
Fluorene	4.00	8	ND	ND	ND	ND	ND
Hexachlorobenzene	4.00	8	ND	ND	ND	ND	ND
Hexachlorobutadiene	4.00	8	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	4.00	8	ND	ND	ND	ND	ND
Hexachloroethane	4.00	8	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	4.00	8	ND	ND	ND	ND	ND
Isophorone	4.00	8	ND	ND	ND	ND	ND
2-Methylnaphthalene	4.00	8	ND	ND	ND	ND	ND
4-Methylphenol	4.00	8	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	4.00	8	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	4.00	8	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	4.00	8	ND	ND	ND	ND	ND
Naphthalene	4.00	8	ND	ND	ND	ND	ND
2-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
3-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
4-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
Nitrobenzene (NB)	4.00	8	ND	ND	ND	ND	ND
4-Nitrophenol	4.00	8	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	4.00	8	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	4.00	8	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.		85246.07	85246.08	85246.09	85246.10	85246.11	
Client Sample I.D.		B2-7	B2-8	B2-9	B2-10	B2-11	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/16/2016	11/16/2016	11/16/2016	11/15/2016	11/15/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		16	16	16	16	16	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Pentachlorophenol	4.00	8	ND	ND	ND	ND	ND
Phenanthrene	4.00	8	ND	ND	ND	ND	ND
Phenol	4.00	8	ND	ND	ND	ND	ND
Pyrene	4.00	8	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	4.00	8	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	4.00	8	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	4.00	8	ND	ND	ND	ND	ND

*Comment(s):*

85246.07: Analyzed under dilution due to matrix interference 85246.08: Analyzed under dilution due to matrix interference 85246.09: Analyzed under dilution due to matrix interference 85246.10: Analyzed under dilution due to matrix interference 85246.11: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.07	85246.08	85246.09	85246.10	85246.11
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121	0.0 S6	23.8 S6	0.0 S6	0.0 S6	0.0 S6
2-Fluorobiphenyl	30-115	55.2	67.2	56.0	59.6	58.0
Nitrobenzene-d5	23-120	33.7	46.0	38.8	44.0	44.0
Phenol-d6	21-113	0.0 S6	6.6 S6	0.0 S6	0.0 S6	0.0 S6
p-Terphenyl-D14	18-137	63.6	77.2	63.2	68.0	66.8
2,4,6-Tribromophenol	19-122	29.8	39.6	30.4	13.9	23.4



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.	85246.12		
Client Sample I.D.	B2-12		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

Our Lab I.D.	85246.12		
Client Sample I.D.	B2-12		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Dibenzofuran	1.00	2.00	ND
1,2-Dichlorobenzene	1.00	2.00	ND
1,3-Dichlorobenzene	1.00	2.00	ND
1,4-Dichlorobenzene	1.00	2.00	ND
3,3'-Dichlorobenzidine	1.00	2.00	ND
2,4-Dichlorophenol	1.00	2.00	ND
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND
2,4-Dimethylphenol	1.00	2.00	ND
4,6-Dinitro-2-methylphenol	1.00	2.00	ND
2,4-Dinitrophenol	1.00	2.00	ND
2,4-Dinitrotoluene	1.00	2.00	ND
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND
Fluoranthene	1.00	2.00	ND
Fluorene	1.00	2.00	ND
Hexachlorobenzene	1.00	2.00	ND
Hexachlorobutadiene	1.00	2.00	ND
Hexachlorocyclopentadiene	1.00	2.00	ND
Hexachloroethane	1.00	2.00	ND
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND
Isophorone	1.00	2.00	ND
2-Methylnaphthalene	1.00	2.00	ND
4-Methylphenol	1.00	2.00	ND
2-Methylphenol (2-Cresol)	1.00	2.00	ND
3-Methylphenol (3-Cresol)	1.00	2.00	ND
N-Nitroso-Di-n-propylamine	1.00	2.00	ND
Naphthalene	1.00	2.00	ND
2-Nitroaniline	1.00	2.00	ND
3-Nitroaniline	1.00	2.00	ND
4-Nitroaniline	1.00	2.00	ND
Nitrobenzene (NB)	1.00	2.00	ND
4-Nitrophenol	1.00	2.00	ND
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND
N-nitrosodiphenylamine	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1

<b>Our Lab I.D.</b>			85246.12				
Client Sample I.D.			B2-12				
Date Sampled			11/09/2016				
Date Prepared			11/11/2016				
Preparation Method			3550B				
Date Analyzed			11/16/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85246.12: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85246.12				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		60.0				
2-Fluorobiphenyl	30-115		88.8				
Nitrobenzene-d5	23-120		81.2				
Phenol-d6	21-113		59.6				
p-Terphenyl-D14	18-137		94.4				
2,4,6-Tribromophenol	19-122		43.0				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			Method Blank	85246.13		
Client Sample I.D.				B2-13		
Date Sampled				11/09/2016		
Date Prepared			11/14/2016	11/14/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/16/2016	11/15/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	0.25	0.50	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND		
Anthracene	0.25	0.50	ND	ND		
Azobenzene	0.25	0.50	ND	ND		
Benzidine	0.25	0.50	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND		
Chrysene	0.25	0.50	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.		Method Blank	85246.13			
Client Sample I.D.			B2-13			
Date Sampled			11/09/2016			
Date Prepared		11/14/2016	11/14/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/16/2016	11/15/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dibenzofuran	0.25	0.50	ND	ND		
1,2-Dichlorobenzene	0.25	0.50	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND		
Fluoranthene	0.25	0.50	ND	ND		
Fluorene	0.25	0.50	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND		
Isophorone	0.25	0.50	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND		
Naphthalene	0.25	0.50	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND		
N-nitrosodiphenylamine	0.25	0.50	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

<b>Our Lab I.D.</b>			Method Blank	85246.13		
Client Sample I.D.				B2-13		
Date Sampled				11/09/2016		
Date Prepared			11/14/2016	11/14/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/16/2016	11/15/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Pentachlorophenol	0.25	0.50	ND	ND		
Phenanthrene	0.25	0.50	ND	ND		
Phenol	0.25	0.50	ND	ND		
Pyrene	0.25	0.50	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND		
<b>Our Lab I.D.</b>			Method Blank	85246.13		
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>		
2-Fluorophenol	25-121		89.6	76.0		
2-Fluorobiphenyl	30-115		99.6	80.4		
Nitrobenzene-d5	23-120		90.0	75.2		
Phenol-d6	21-113		87.2	71.4		
p-Terphenyl-D14	18-137		117	90.0		
2,4,6-Tribromophenol	19-122		99.2	78.0		



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.14		
Client Sample I.D.	B2-14		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	80		
Analytes	MDL	PQL	Results
Acenaphthene	20	40	ND
Acenaphthylene	20	40	ND
Anthracene	20	40	ND
Azobenzene	20	40	ND
Benzidine	20	40	ND
Benzo(a)anthracene	20	40	ND
Benzo(a)pyrene	20	40	ND
Benzo(b)fluoranthene	20	40	ND
Benzo(g,h,i)perylene	20	40	ND
Benzo(k)fluoranthene	20	40	ND
Benzoic Acid	20	40	ND
Benzyl Alcohol	20	40	ND
Bis(2-Chloroethoxy)methane	20	40	ND
Bis(2-Chloroethyl)ether	20	40	ND
Bis(2-chloroisopropyl) ether	20	40	ND
Bis(2-ethylhexyl) phthalate	20	40	ND
4-Bromophenyl phenyl ether	20	40	ND
Butyl benzyl phthalate	20	40	ND
4-Chloro-3-methylphenol	20	40	ND
4-Chloroaniline	20	40	ND
2-Chloronaphthalene	20	40	ND
2-Chlorophenol	20	40	ND
4-Chlorophenyl phenyl ether	20	40	ND
Chrysene	20	40	ND
Di-n-butyl phthalate	20	40	ND
Di-n-octyl phthalate (Dioctyl ester)	20	40	ND
Dibenzo(a,h)anthracene	20	40	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			85246.14			
Client Sample I.D.			B2-14			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/16/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			80			
Analytes	MDL	PQL	Results			
Dibenzofuran	20	40	ND			
1,2-Dichlorobenzene	20	40	ND			
1,3-Dichlorobenzene	20	40	ND			
1,4-Dichlorobenzene	20	40	ND			
3,3'-Dichlorobenzidine	20	40	ND			
2,4-Dichlorophenol	20	40	ND			
Diethyl phthalate (Diethyl ester)	20	40	ND			
Dimethyl phthalate (Dimethyl ester)	20	40	ND			
2,4-Dimethylphenol	20	40	ND			
4,6-Dinitro-2-methylphenol	20	40	ND			
2,4-Dinitrophenol	20	40	ND			
2,4-Dinitrotoluene	20	40	ND			
2,6-Dinitrotoluene (2,6-DNT)	20	40	ND			
Fluoranthene	20	40	ND			
Fluorene	20	40	ND			
Hexachlorobenzene	20	40	ND			
Hexachlorobutadiene	20	40	ND			
Hexachlorocyclopentadiene	20	40	ND			
Hexachloroethane	20	40	ND			
Indeno(1,2,3-cd)pyrene	20	40	ND			
Isophorone	20	40	ND			
2-Methylnaphthalene	20	40	ND			
4-Methylphenol	20	40	ND			
2-Methylphenol (2-Cresol)	20	40	ND			
3-Methylphenol (3-Cresol)	20	40	ND			
N-Nitroso-Di-n-propylamine	20	40	ND			
Naphthalene	20	40	ND			
2-Nitroaniline	20	40	ND			
3-Nitroaniline	20	40	ND			
4-Nitroaniline	20	40	ND			
Nitrobenzene (NB)	20	40	ND			
4-Nitrophenol	20	40	ND			
2-Nitrophenol (o-Nitrophenol)	20	40	ND			
N-nitrosodiphenylamine	20	40	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

<b>Our Lab I.D.</b>			85246.14				
Client Sample I.D.			B2-14				
Date Sampled			11/09/2016				
Date Prepared			11/14/2016				
Preparation Method			3550B				
Date Analyzed			11/16/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			80				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	20	40	ND				
Phenanthrene	20	40	ND				
Phenol	20	40	ND				
Pyrene	20	40	ND				
1,2,4-Trichlorobenzene	20	40	ND				
2,4,5-Trichlorophenol	20	40	ND				
2,4,6-Trichlorophenol	20	40	ND				
<b>Our Lab I.D.</b>			85246.14				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		0.0 S8				
2-Fluorobiphenyl	30-115		0.0 S8				
Nitrobenzene-d5	23-120		0.0 S8				
Phenol-d6	21-113		0.0 S8				
p-Terphenyl-D14	18-137		0.0 S8				
2,4,6-Tribromophenol	19-122		0.0 S8				





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.15		
Client Sample I.D.	B2-15		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.15		
Client Sample I.D.	B2-15		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Dibenzofuran	1.00	2.00	ND
1,2-Dichlorobenzene	1.00	2.00	ND
1,3-Dichlorobenzene	1.00	2.00	ND
1,4-Dichlorobenzene	1.00	2.00	ND
3,3'-Dichlorobenzidine	1.00	2.00	ND
2,4-Dichlorophenol	1.00	2.00	ND
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND
2,4-Dimethylphenol	1.00	2.00	ND
4,6-Dinitro-2-methylphenol	1.00	2.00	ND
2,4-Dinitrophenol	1.00	2.00	ND
2,4-Dinitrotoluene	1.00	2.00	ND
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND
Fluoranthene	1.00	2.00	ND
Fluorene	1.00	2.00	ND
Hexachlorobenzene	1.00	2.00	ND
Hexachlorobutadiene	1.00	2.00	ND
Hexachlorocyclopentadiene	1.00	2.00	ND
Hexachloroethane	1.00	2.00	ND
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND
Isophorone	1.00	2.00	ND
2-Methylnaphthalene	1.00	2.00	ND
4-Methylphenol	1.00	2.00	ND
2-Methylphenol (2-Cresol)	1.00	2.00	ND
3-Methylphenol (3-Cresol)	1.00	2.00	ND
N-Nitroso-Di-n-propylamine	1.00	2.00	ND
Naphthalene	1.00	2.00	ND
2-Nitroaniline	1.00	2.00	ND
3-Nitroaniline	1.00	2.00	ND
4-Nitroaniline	1.00	2.00	ND
Nitrobenzene (NB)	1.00	2.00	ND
4-Nitrophenol	1.00	2.00	ND
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND
N-nitrosodiphenylamine	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

<b>Our Lab I.D.</b>			85246.15				
Client Sample I.D.			B2-15				
Date Sampled			11/09/2016				
Date Prepared			11/14/2016				
Preparation Method			3550B				
Date Analyzed			11/16/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85246.15: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85246.15				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		38.2				
2-Fluorobiphenyl	30-115		78.8				
Nitrobenzene-d5	23-120		68.4				
Phenol-d6	21-113		33.2				
p-Terphenyl-D14	18-137		88.8				
2,4,6-Tribromophenol	19-122		23.6				



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.			B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/16/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			16	16	16	16	16
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acenaphthene	4.00	8	ND	ND	ND	ND	ND
Acenaphthylene	4.00	8	ND	ND	ND	ND	ND
Anthracene	4.00	8	ND	ND	ND	ND	ND
Azobenzene	4.00	8	ND	ND	ND	ND	ND
Benzidine	4.00	8	ND	ND	ND	ND	ND
Benzo(a)anthracene	4.00	8	ND	ND	ND	ND	ND
Benzo(a)pyrene	4.00	8	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	4.00	8	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	4.00	8	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	4.00	8	ND	ND	ND	ND	ND
Benzoic Acid	4.00	8	ND	ND	ND	ND	ND
Benzyl Alcohol	4.00	8	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	4.00	8	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	4.00	8	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	4.00	8	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	4.00	8	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	4.00	8	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.00	8	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	4.00	8	ND	ND	ND	ND	ND
4-Chloroaniline	4.00	8	ND	ND	ND	ND	ND
2-Chloronaphthalene	4.00	8	ND	ND	ND	ND	ND
2-Chlorophenol	4.00	8	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	4.00	8	ND	ND	ND	ND	ND
Chrysene	4.00	8	ND	ND	ND	ND	ND
Di-n-butyl phthalate	4.00	8	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	4.00	8	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	4.00	8	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.			B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/16/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			16	16	16	16	16
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dibenzofuran	4.00	8	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.00	8	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	4.00	8	ND	ND	ND	ND	ND
2,4-Dichlorophenol	4.00	8	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	4.00	8	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	4.00	8	ND	ND	ND	ND	ND
2,4-Dimethylphenol	4.00	8	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.00	8	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.00	8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	4.00	8	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	4.00	8	ND	ND	ND	ND	ND
Fluoranthene	4.00	8	ND	ND	ND	ND	ND
Fluorene	4.00	8	ND	ND	ND	ND	ND
Hexachlorobenzene	4.00	8	ND	ND	ND	ND	ND
Hexachlorobutadiene	4.00	8	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	4.00	8	ND	ND	ND	ND	ND
Hexachloroethane	4.00	8	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	4.00	8	ND	ND	ND	ND	ND
Isophorone	4.00	8	ND	ND	ND	ND	ND
2-Methylnaphthalene	4.00	8	ND	ND	ND	ND	ND
4-Methylphenol	4.00	8	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	4.00	8	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	4.00	8	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	4.00	8	ND	ND	ND	ND	ND
Naphthalene	4.00	8	ND	ND	ND	ND	ND
2-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
3-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
4-Nitroaniline	4.00	8	ND	ND	ND	ND	ND
Nitrobenzene (NB)	4.00	8	ND	ND	ND	ND	ND
4-Nitrophenol	4.00	8	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	4.00	8	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	4.00	8	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.		85246.16	85246.17	85246.18	85246.19	85246.20	
Client Sample I.D.		B2-16	B2-17	B2-18	B2-19	B2-20	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/16/2016	11/15/2016	11/16/2016	11/16/2016	11/16/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		16	16	16	16	16	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Pentachlorophenol	4.00	8	ND	ND	ND	ND	ND
Phenanthrene	4.00	8	ND	ND	ND	ND	ND
Phenol	4.00	8	ND	ND	ND	ND	ND
Pyrene	4.00	8	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	4.00	8	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	4.00	8	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	4.00	8	ND	ND	ND	ND	ND

*Comment(s):*

85246.16: Analyzed under dilution due to matrix interference 85246.17: Analyzed under dilution due to matrix interference 85246.18: Analyzed under dilution due to matrix interference 85246.19: Analyzed under dilution due to matrix interference 85246.20: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.16	85246.17	85246.18	85246.19	85246.20
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
2-Fluorophenol	25-121	0.0 S6	0.0 S6	11.8 S6	0.0 S6	0.0 S6
2-Fluorobiphenyl	30-115	55.6	57.6	64.4	56.0	55.6
Nitrobenzene-d5	23-120	39.4	44.0	46.4	40.0	44.8
Phenol-d6	21-113	0.0 S6	0.0 S6	0.0 S6	0.0 S6	0.0 S6
p-Terphenyl-D14	18-137	67.2	66.4	73.2	64.0	69.2
2,4,6-Tribromophenol	19-122	13.8 S6	0.0 S6	44.2	0.0 S6	26.8



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			85246.21	85246.22		
Client Sample I.D.			B2-21	B2-22		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/14/2016	11/14/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/16/2016	11/16/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			16	16		
Analytes	MDL	PQL	Results	Results		
Acenaphthene	4.00	8	ND	ND		
Acenaphthylene	4.00	8	ND	ND		
Anthracene	4.00	8	ND	ND		
Azobenzene	4.00	8	ND	ND		
Benzidine	4.00	8	ND	ND		
Benzo(a)anthracene	4.00	8	ND	ND		
Benzo(a)pyrene	4.00	8	ND	ND		
Benzo(b)fluoranthene	4.00	8	ND	ND		
Benzo(g,h,i)perylene	4.00	8	ND	ND		
Benzo(k)fluoranthene	4.00	8	ND	ND		
Benzoic Acid	4.00	8	ND	ND		
Benzyl Alcohol	4.00	8	ND	ND		
Bis(2-Chloroethoxy)methane	4.00	8	ND	ND		
Bis(2-Chloroethyl)ether	4.00	8	ND	ND		
Bis(2-chloroisopropyl) ether	4.00	8	ND	ND		
Bis(2-ethylhexyl) phthalate	4.00	8	ND	ND		
4-Bromophenyl phenyl ether	4.00	8	ND	ND		
Butyl benzyl phthalate	4.00	8	ND	ND		
4-Chloro-3-methylphenol	4.00	8	ND	ND		
4-Chloroaniline	4.00	8	ND	ND		
2-Chloronaphthalene	4.00	8	ND	ND		
2-Chlorophenol	4.00	8	ND	ND		
4-Chlorophenyl phenyl ether	4.00	8	ND	ND		
Chrysene	4.00	8	ND	ND		
Di-n-butyl phthalate	4.00	8	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	4.00	8	ND	ND		
Dibenzo(a,h)anthracene	4.00	8	ND	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.			85246.21	85246.22			
Client Sample I.D.			B2-21	B2-22			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/14/2016	11/14/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/16/2016	11/16/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			16	16			
Analytes	MDL	PQL	Results	Results			
Dibenzofuran	4.00	8	ND	ND			
1,2-Dichlorobenzene	4.00	8	ND	ND			
1,3-Dichlorobenzene	4.00	8	ND	ND			
1,4-Dichlorobenzene	4.00	8	ND	ND			
3,3'-Dichlorobenzidine	4.00	8	ND	ND			
2,4-Dichlorophenol	4.00	8	ND	ND			
Diethyl phthalate (Diethyl ester)	4.00	8	ND	ND			
Dimethyl phthalate (Dimethyl ester)	4.00	8	ND	ND			
2,4-Dimethylphenol	4.00	8	ND	ND			
4,6-Dinitro-2-methylphenol	4.00	8	ND	ND			
2,4-Dinitrophenol	4.00	8	ND	ND			
2,4-Dinitrotoluene	4.00	8	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	4.00	8	ND	ND			
Fluoranthene	4.00	8	ND	ND			
Fluorene	4.00	8	ND	ND			
Hexachlorobenzene	4.00	8	ND	ND			
Hexachlorobutadiene	4.00	8	ND	ND			
Hexachlorocyclopentadiene	4.00	8	ND	ND			
Hexachloroethane	4.00	8	ND	ND			
Indeno(1,2,3-cd)pyrene	4.00	8	ND	ND			
Isophorone	4.00	8	ND	ND			
2-Methylnaphthalene	4.00	8	ND	ND			
4-Methylphenol	4.00	8	ND	ND			
2-Methylphenol (2-Cresol)	4.00	8	ND	ND			
3-Methylphenol (3-Cresol)	4.00	8	ND	ND			
N-Nitroso-Di-n-propylamine	4.00	8	ND	ND			
Naphthalene	4.00	8	ND	ND			
2-Nitroaniline	4.00	8	ND	ND			
3-Nitroaniline	4.00	8	ND	ND			
4-Nitroaniline	4.00	8	ND	ND			
Nitrobenzene (NB)	4.00	8	ND	ND			
4-Nitrophenol	4.00	8	ND	ND			
2-Nitrophenol (o-Nitrophenol)	4.00	8	ND	ND			
N-nitrosodiphenylamine	4.00	8	ND	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.		85246.21	85246.22			
Client Sample I.D.		B2-21	B2-22			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/14/2016	11/14/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/16/2016	11/16/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		16	16			
Analytes	MDL	PQL	Results	Results		
Pentachlorophenol	4.00	8	ND	ND		
Phenanthrene	4.00	8	ND	ND		
Phenol	4.00	8	ND	ND		
Pyrene	4.00	8	ND	ND		
1,2,4-Trichlorobenzene	4.00	8	ND	ND		
2,4,5-Trichlorophenol	4.00	8	ND	ND		
2,4,6-Trichlorophenol	4.00	8	ND	ND		

Comment(s):

85246.21: Analyzed under dilution due to matrix interference 85246.22: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.21	85246.22			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
2-Fluorophenol	25-121	11.4 S6	0.0 S6			
2-Fluorobiphenyl	30-115	63.2	60.0			
Nitrobenzene-d5	23-120	50.0	44.0			
Phenol-d6	21-113	0.0 S6	0.0 S6			
p-Terphenyl-D14	18-137	69.6	73.2			
2,4,6-Tribromophenol	19-122	39.6	39.6			



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.23		
Client Sample I.D.	B2-23		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/15/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Acenaphthene	1.00	2.00	ND
Acenaphthylene	1.00	2.00	ND
Anthracene	1.00	2.00	ND
Azobenzene	1.00	2.00	ND
Benzidine	1.00	2.00	ND
Benzo(a)anthracene	1.00	2.00	ND
Benzo(a)pyrene	1.00	2.00	ND
Benzo(b)fluoranthene	1.00	2.00	ND
Benzo(g,h,i)perylene	1.00	2.00	ND
Benzo(k)fluoranthene	1.00	2.00	ND
Benzoic Acid	1.00	2.00	ND
Benzyl Alcohol	1.00	2.00	ND
Bis(2-Chloroethoxy)methane	1.00	2.00	ND
Bis(2-Chloroethyl)ether	1.00	2.00	ND
Bis(2-chloroisopropyl) ether	1.00	2.00	ND
Bis(2-ethylhexyl) phthalate	1.00	2.00	ND
4-Bromophenyl phenyl ether	1.00	2.00	ND
Butyl benzyl phthalate	1.00	2.00	ND
4-Chloro-3-methylphenol	1.00	2.00	ND
4-Chloroaniline	1.00	2.00	ND
2-Chloronaphthalene	1.00	2.00	ND
2-Chlorophenol	1.00	2.00	ND
4-Chlorophenyl phenyl ether	1.00	2.00	ND
Chrysene	1.00	2.00	ND
Di-n-butyl phthalate	1.00	2.00	ND
Di-n-octyl phthalate (Dioctyl ester)	1.00	2.00	ND
Dibenzo(a,h)anthracene	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.23		
Client Sample I.D.	B2-23		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/15/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Dibenzofuran	1.00	2.00	ND
1,2-Dichlorobenzene	1.00	2.00	ND
1,3-Dichlorobenzene	1.00	2.00	ND
1,4-Dichlorobenzene	1.00	2.00	ND
3,3'-Dichlorobenzidine	1.00	2.00	ND
2,4-Dichlorophenol	1.00	2.00	ND
Diethyl phthalate (Diethyl ester)	1.00	2.00	ND
Dimethyl phthalate (Dimethyl ester)	1.00	2.00	ND
2,4-Dimethylphenol	1.00	2.00	ND
4,6-Dinitro-2-methylphenol	1.00	2.00	ND
2,4-Dinitrophenol	1.00	2.00	ND
2,4-Dinitrotoluene	1.00	2.00	ND
2,6-Dinitrotoluene (2,6-DNT)	1.00	2.00	ND
Fluoranthene	1.00	2.00	ND
Fluorene	1.00	2.00	ND
Hexachlorobenzene	1.00	2.00	ND
Hexachlorobutadiene	1.00	2.00	ND
Hexachlorocyclopentadiene	1.00	2.00	ND
Hexachloroethane	1.00	2.00	ND
Indeno(1,2,3-cd)pyrene	1.00	2.00	ND
Isophorone	1.00	2.00	ND
2-Methylnaphthalene	1.00	2.00	ND
4-Methylphenol	1.00	2.00	ND
2-Methylphenol (2-Cresol)	1.00	2.00	ND
3-Methylphenol (3-Cresol)	1.00	2.00	ND
N-Nitroso-Di-n-propylamine	1.00	2.00	ND
Naphthalene	1.00	2.00	ND
2-Nitroaniline	1.00	2.00	ND
3-Nitroaniline	1.00	2.00	ND
4-Nitroaniline	1.00	2.00	ND
Nitrobenzene (NB)	1.00	2.00	ND
4-Nitrophenol	1.00	2.00	ND
2-Nitrophenol (o-Nitrophenol)	1.00	2.00	ND
N-nitrosodiphenylamine	1.00	2.00	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

<b>Our Lab I.D.</b>			85246.23				
Client Sample I.D.			B2-23				
Date Sampled			11/09/2016				
Date Prepared			11/14/2016				
Preparation Method			3550B				
Date Analyzed			11/15/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			4				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Pentachlorophenol	1.00	2.00	ND				
Phenanthrene	1.00	2.00	ND				
Phenol	1.00	2.00	ND				
Pyrene	1.00	2.00	ND				
1,2,4-Trichlorobenzene	1.00	2.00	ND				
2,4,5-Trichlorophenol	1.00	2.00	ND				
2,4,6-Trichlorophenol	1.00	2.00	ND				

Comment(s):

85246.23: Analyzed under dilution due to matrix interference

<b>Our Lab I.D.</b>			85246.23				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
2-Fluorophenol	25-121		72.0				
2-Fluorobiphenyl	30-115		92.0				
Nitrobenzene-d5	23-120		81.6				
Phenol-d6	21-113		62.6				
p-Terphenyl-D14	18-137		97.6				
2,4,6-Tribromophenol	19-122		84.4				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 92

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.24		
Client Sample I.D.	B2-24		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Acenaphthene	0.25	0.50	ND
Acenaphthylene	0.25	0.50	ND
Anthracene	0.25	0.50	ND
Azobenzene	0.25	0.50	ND
Benzidine	0.25	0.50	ND
Benzo(a)anthracene	0.25	0.50	ND
Benzo(a)pyrene	0.25	0.50	ND
Benzo(b)fluoranthene	0.25	0.50	ND
Benzo(g,h,i)perylene	0.25	0.50	ND
Benzo(k)fluoranthene	0.25	0.50	ND
Benzoic Acid	0.25	0.50	ND
Benzyl Alcohol	0.25	0.50	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND
Butyl benzyl phthalate	0.25	0.50	ND
4-Chloro-3-methylphenol	0.25	0.50	ND
4-Chloroaniline	0.25	0.50	ND
2-Chloronaphthalene	0.25	0.50	ND
2-Chlorophenol	0.25	0.50	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND
Chrysene	0.25	0.50	ND
Di-n-butyl phthalate	0.25	0.50	ND
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

Our Lab I.D.	85246.24		
Client Sample I.D.	B2-24		
Date Sampled	11/09/2016		
Date Prepared	11/14/2016		
Preparation Method	3550B		
Date Analyzed	11/16/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Dibenzofuran	0.25	0.50	ND
1,2-Dichlorobenzene	0.25	0.50	ND
1,3-Dichlorobenzene	0.25	0.50	ND
1,4-Dichlorobenzene	0.25	0.50	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND
2,4-Dichlorophenol	0.25	0.50	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND
2,4-Dimethylphenol	0.25	0.50	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND
2,4-Dinitrophenol	0.25	0.50	ND
2,4-Dinitrotoluene	0.25	0.50	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND
Fluoranthene	0.25	0.50	ND
Fluorene	0.25	0.50	ND
Hexachlorobenzene	0.25	0.50	ND
Hexachlorobutadiene	0.25	0.50	ND
Hexachlorocyclopentadiene	0.25	0.50	ND
Hexachloroethane	0.25	0.50	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND
Isophorone	0.25	0.50	ND
2-Methylnaphthalene	0.25	0.50	ND
4-Methylphenol	0.25	0.50	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND
Naphthalene	0.25	0.50	ND
2-Nitroaniline	0.25	0.50	ND
3-Nitroaniline	0.25	0.50	ND
4-Nitroaniline	0.25	0.50	ND
Nitrobenzene (NB)	0.25	0.50	ND
4-Nitrophenol	0.25	0.50	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND
N-nitrosodiphenylamine	0.25	0.50	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1

<b>Our Lab I.D.</b>			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/16/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Pentachlorophenol	0.25	0.50	ND			
Phenanthrene	0.25	0.50	ND			
Phenol	0.25	0.50	ND			
Pyrene	0.25	0.50	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND			
<b>Our Lab I.D.</b>			85246.24			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
2-Fluorophenol	25-121		20.0 S6			
2-Fluorobiphenyl	30-115		96.4			
Nitrobenzene-d5	23-120		85.2			
Phenol-d6	21-113		58.4			
p-Terphenyl-D14	18-137		108			
2,4,6-Tribromophenol	19-122		0.0 S6			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Aldrin	1.0	2.0	ND			
Chlordane (Total)	1.0	2.0	ND			
Chlordane (alpha)	1.0	2.0	ND			
4,4'-DDD (DDD)	1.0	2.0	ND			
4,4'-DDE (DDE)	1.0	2.0	ND			
4,4'-DDT (DDT)	1.0	2.0	ND			
Dieldrin	1.0	2.0	ND			
Endosulfan 1	1.0	2.0	ND			
Endosulfan 11	1.0	2.0	ND			
Endosulfan sulfate	1.0	2.0	ND			
Endrin	1.0	2.0	ND			
Endrin aldehyde	1.0	2.0	ND			
Endrin ketone	1.0	2.0	ND			
Chlordane (gamma)	1.0	2.0	ND			
Heptachlor	1.0	2.0	ND			
Heptachlor epoxide	1.0	2.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND			
Methoxychlor	5.0	10.0	ND			
Toxaphene	85.0	170.0	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		71.2				
Tetrachloro-m-xylene	30-150		92.0				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
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 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 97

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.			85246.01			
Client Sample I.D.			B2-1			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	ND			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			

Comment(s):

85246.01: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.01				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	95.0				
Tetrachloro-m-xylene	30-150	101				



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 99

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.	85246.02		
Client Sample I.D.	B2-2		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/14/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aldrin	1.0	2.0	ND
Chlordane (Total)	1.0	2.0	ND
Chlordane (alpha)	1.0	2.0	ND
4,4'-DDD (DDD)	1.0	2.0	ND
4,4'-DDE (DDE)	1.0	2.0	ND
4,4'-DDT (DDT)	1.0	2.0	ND
Dieldrin	1.0	2.0	ND
Endosulfan 1	1.0	2.0	ND
Endosulfan 11	1.0	2.0	ND
Endosulfan sulfate	1.0	2.0	ND
Endrin	1.0	2.0	ND
Endrin aldehyde	1.0	2.0	ND
Endrin ketone	1.0	2.0	ND
Chlordane (gamma)	1.0	2.0	ND
Heptachlor	1.0	2.0	ND
Heptachlor epoxide	1.0	2.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND
Methoxychlor	5.0	10.0	ND
Toxaphene	85.0	170.0	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.02				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	75.4				
Tetrachloro-m-xylene	30-150	94.4				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
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 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 101

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.			85246.03			
Client Sample I.D.			B2-3			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	8.48J			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.03				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	126				
Tetrachloro-m-xylene	30-150	111				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 103

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.			85246.04	85246.05			
Client Sample I.D.			B2-4	B2-5			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/14/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			2	2			
Analytes	MDL	PQL	Results	Results			
Aldrin	2.0	4.0	ND	ND			
Chlordane (Total)	2.0	4.0	4.93	5.99			
Chlordane (alpha)	2.0	4.0	2.54J	3.17J			
4,4'-DDD (DDD)	2.0	4.0	4.40	7.04			
4,4'-DDE (DDE)	2.0	4.0	3.81J	23.5			
4,4'-DDT (DDT)	2.0	4.0	4.08	2.13J			
Dieldrin	2.0	4.0	19.4	4.94			
Endosulfan I	2.0	4.0	ND	ND			
Endosulfan II	2.0	4.0	ND	ND			
Endosulfan sulfate	2.0	4.0	ND	ND			
Endrin	2.0	4.0	ND	ND			
Endrin aldehyde	2.0	4.0	ND	ND			
Endrin ketone	2.0	4.0	ND	ND			
Chlordane (gamma)	2.0	4.0	2.39J	2.82J			
Heptachlor	2.0	4.0	ND	ND			
Heptachlor epoxide	2.0	4.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND	ND			
Methoxychlor	10	20	ND	ND			
Toxaphene	170	340	ND	ND			





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## ANALYTICAL RESULTS

Page: **104**

Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85246.04	85246.05			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		87.4	66.4			
Tetrachloro-m-xylene	30-150		81.6	75.2			



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 105

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3

Our Lab I.D.			85246.06	85246.07	85246.08	85246.09	
Client Sample I.D.			B2-6	B2-7	B2-8	B2-9	
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			5	5	5	5	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	5	10	ND	ND	ND	ND	
Chlordane (Total)	5	10	11.9	ND	5.23J	ND	
Chlordane (alpha)	5	10	6.03J	ND	5.23J	ND	
4,4'-DDD (DDD)	5	10	ND	ND	ND	ND	
4,4'-DDE (DDE)	5	10	17.2	ND	ND	ND	
4,4'-DDT (DDT)	5	10	5.82J	ND	ND	ND	
Dieldrin	5	10	ND	ND	ND	ND	
Endosulfan 1	5	10	ND	ND	ND	ND	
Endosulfan 11	5	10	ND	ND	ND	ND	
Endosulfan sulfate	5	10	ND	ND	ND	ND	
Endrin	5	10	ND	ND	ND	ND	
Endrin aldehyde	5	10	ND	ND	ND	ND	
Endrin ketone	5	10	ND	ND	ND	ND	
Chlordane (gamma)	5	10	5.87J	ND	ND	ND	
Heptachlor	5	10	ND	ND	ND	ND	
Heptachlor epoxide	5	10	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND	ND	ND	ND	
Methoxychlor	25	50	ND	ND	ND	ND	
Toxaphene	425	850	ND	ND	ND	ND	

Comment(s):

85246.07: Analyzed under dilution due to matrix interference 85246.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			85246.06	85246.07	85246.08	85246.09	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		75.2	91.6	68.6	82.0	
Tetrachloro-m-xylene	30-150		81.8	90.6	69.0	91.0	



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Aldrin	1.0	2.0	ND			
Chlordane (Total)	1.0	2.0	ND			
Chlordane (alpha)	1.0	2.0	ND			
4,4'-DDD (DDD)	1.0	2.0	ND			
4,4'-DDE (DDE)	1.0	2.0	ND			
4,4'-DDT (DDT)	1.0	2.0	ND			
Dieldrin	1.0	2.0	ND			
Endosulfan 1	1.0	2.0	ND			
Endosulfan 11	1.0	2.0	ND			
Endosulfan sulfate	1.0	2.0	ND			
Endrin	1.0	2.0	ND			
Endrin aldehyde	1.0	2.0	ND			
Endrin ketone	1.0	2.0	ND			
Chlordane (gamma)	1.0	2.0	ND			
Heptachlor	1.0	2.0	ND			
Heptachlor epoxide	1.0	2.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND			
Methoxychlor	5.0	10.0	ND			
Toxaphene	85.0	170.0	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
Decachlorobiphenyl	30-150		86.6				
Tetrachloro-m-xylene	30-150		67.4				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 109

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.10			
Client Sample I.D.			B2-10			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Aldrin	2.0	4.0	ND			
Chlordane (Total)	2.0	4.0	ND			
Chlordane (alpha)	2.0	4.0	ND			
4,4'-DDD (DDD)	2.0	4.0	ND			
4,4'-DDE (DDE)	2.0	4.0	ND			
4,4'-DDT (DDT)	2.0	4.0	ND			
Dieldrin	2.0	4.0	ND			
Endosulfan 1	2.0	4.0	ND			
Endosulfan 11	2.0	4.0	ND			
Endosulfan sulfate	2.0	4.0	ND			
Endrin	2.0	4.0	ND			
Endrin aldehyde	2.0	4.0	ND			
Endrin ketone	2.0	4.0	ND			
Chlordane (gamma)	2.0	4.0	ND			
Heptachlor	2.0	4.0	ND			
Heptachlor epoxide	2.0	4.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND			
Methoxychlor	10	20	ND			
Toxaphene	170	340	ND			

Comment(s):

85246.10: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.10				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	101				
Tetrachloro-m-xylene	30-150	109				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 111

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.11			
Client Sample I.D.			B2-11			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	ND			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			

Comment(s):

85246.11: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.11				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	97.4				
Tetrachloro-m-xylene	30-150	136				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.	85246.12		
Client Sample I.D.	B2-12		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/14/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Aldrin	2.0	4.0	ND
Chlordane (Total)	2.0	4.0	ND
Chlordane (alpha)	2.0	4.0	ND
4,4'-DDD (DDD)	2.0	4.0	ND
4,4'-DDE (DDE)	2.0	4.0	ND
4,4'-DDT (DDT)	2.0	4.0	ND
Dieldrin	2.0	4.0	ND
Endosulfan 1	2.0	4.0	ND
Endosulfan 11	2.0	4.0	ND
Endosulfan sulfate	2.0	4.0	ND
Endrin	2.0	4.0	ND
Endrin aldehyde	2.0	4.0	ND
Endrin ketone	2.0	4.0	ND
Chlordane (gamma)	2.0	4.0	ND
Heptachlor	2.0	4.0	ND
Heptachlor epoxide	2.0	4.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND
Methoxychlor	10	20	ND
Toxaphene	170	340	ND

Comment(s):

85246.12: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.12				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	89.0				
Tetrachloro-m-xylene	30-150	98.0				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.	85246.13		
Client Sample I.D.	B2-13		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/14/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aldrin	1.0	2.0	ND
Chlordane (Total)	1.0	2.0	ND
Chlordane (alpha)	1.0	2.0	ND
4,4'-DDD (DDD)	1.0	2.0	ND
4,4'-DDE (DDE)	1.0	2.0	ND
4,4'-DDT (DDT)	1.0	2.0	ND
Dieldrin	1.0	2.0	ND
Endosulfan 1	1.0	2.0	ND
Endosulfan 11	1.0	2.0	ND
Endosulfan sulfate	1.0	2.0	ND
Endrin	1.0	2.0	ND
Endrin aldehyde	1.0	2.0	ND
Endrin ketone	1.0	2.0	ND
Chlordane (gamma)	1.0	2.0	ND
Heptachlor	1.0	2.0	ND
Heptachlor epoxide	1.0	2.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND
Methoxychlor	5.0	10.0	ND
Toxaphene	85.0	170.0	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.13				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	92.8				
Tetrachloro-m-xylene	30-150	91.2				



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.14			
Client Sample I.D.			B2-14			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	ND			
4,4'-DDT (DDT)	5	10	ND			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Beta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			

Comment(s):

85246.14: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.14				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	123				
Tetrachloro-m-xylene	30-150	102				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 119

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.	85246.15		
Client Sample I.D.	B2-15		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/15/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Aldrin	2.0	4.0	ND
Chlordane (Total)	2.0	4.0	ND
Chlordane (alpha)	2.0	4.0	ND
4,4'-DDD (DDD)	2.0	4.0	ND
4,4'-DDE (DDE)	2.0	4.0	ND
4,4'-DDT (DDT)	2.0	4.0	ND
Dieldrin	2.0	4.0	ND
Endosulfan 1	2.0	4.0	ND
Endosulfan 11	2.0	4.0	ND
Endosulfan sulfate	2.0	4.0	ND
Endrin	2.0	4.0	ND
Endrin aldehyde	2.0	4.0	ND
Endrin ketone	2.0	4.0	ND
Chlordane (gamma)	2.0	4.0	ND
Heptachlor	2.0	4.0	ND
Heptachlor epoxide	2.0	4.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND
Methoxychlor	10	20	ND
Toxaphene	170	340	ND

Comment(s):

85246.15: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.15				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	95.0				
Tetrachloro-m-xylene	30-150	92.0				



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### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 121

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.16			
Client Sample I.D.			B2-16			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Aldrin	5	10	ND			
Chlordane (Total)	5	10	ND			
Chlordane (alpha)	5	10	ND			
4,4'-DDD (DDD)	5	10	ND			
4,4'-DDE (DDE)	5	10	5.96J			
4,4'-DDT (DDT)	5	10	8.64J			
Dieldrin	5	10	ND			
Endosulfan 1	5	10	ND			
Endosulfan 11	5	10	ND			
Endosulfan sulfate	5	10	ND			
Endrin	5	10	ND			
Endrin aldehyde	5	10	ND			
Endrin ketone	5	10	ND			
Chlordane (gamma)	5	10	ND			
Heptachlor	5	10	ND			
Heptachlor epoxide	5	10	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND			
Methoxychlor	25	50	ND			
Toxaphene	425	850	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.16				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	101				
Tetrachloro-m-xylene	30-150	97.4				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.17			
Client Sample I.D.			B2-17			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Aldrin	2.0	4.0	ND			
Chlordane (Total)	2.0	4.0	ND			
Chlordane (alpha)	2.0	4.0	ND			
4,4'-DDD (DDD)	2.0	4.0	ND			
4,4'-DDE (DDE)	2.0	4.0	2.44J			
4,4'-DDT (DDT)	2.0	4.0	ND			
Dieldrin	2.0	4.0	3.87J			
Endosulfan 1	2.0	4.0	ND			
Endosulfan 11	2.0	4.0	ND			
Endosulfan sulfate	2.0	4.0	ND			
Endrin	2.0	4.0	ND			
Endrin aldehyde	2.0	4.0	ND			
Endrin ketone	2.0	4.0	ND			
Chlordane (gamma)	2.0	4.0	ND			
Heptachlor	2.0	4.0	ND			
Heptachlor epoxide	2.0	4.0	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	2.0	4.0	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND			
Methoxychlor	10	20	ND			
Toxaphene	170	340	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.17				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	78.0				
Tetrachloro-m-xylene	30-150	87.8				



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 125

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.			85246.18	85246.19	85246.20	85246.21	85246.22
Client Sample I.D.			B2-18	B2-19	B2-20	B2-21	B2-22
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			5	5	5	5	5
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	5	10	ND	ND	ND	ND	ND
Chlordane (Total)	5	10	ND	ND	ND	ND	12.7
Chlordane (alpha)	5	10	ND	ND	ND	ND	6.78J
4,4'-DDD (DDD)	5	10	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	5	10	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	5	10	ND	ND	6.05J	ND	ND
Dieldrin	5	10	ND	ND	ND	ND	9.56J
Endosulfan 1	5	10	ND	ND	ND	ND	ND
Endosulfan 11	5	10	ND	ND	ND	ND	ND
Endosulfan sulfate	5	10	ND	ND	ND	ND	ND
Endrin	5	10	ND	ND	ND	ND	ND
Endrin aldehyde	5	10	ND	ND	ND	ND	ND
Endrin ketone	5	10	ND	ND	ND	ND	ND
Chlordane (gamma)	5	10	ND	ND	ND	ND	5.87J
Heptachlor	5	10	ND	ND	ND	ND	ND
Heptachlor epoxide	5	10	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	5	10	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	5	10	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	5	10	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	5	10	ND	ND	ND	ND	ND
Methoxychlor	25	50	ND	ND	ND	ND	ND
Toxaphene	425	850	ND	ND	ND	ND	ND

### Comment(s):

85246.18: Analyzed under dilution due to matrix interference 85246.19: Analyzed under dilution due to matrix interference 85246.21: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.18	85246.19	85246.20	85246.21	85246.22
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	89.6	86.2	105	75.4	81.4
Tetrachloro-m-xylene	30-150	98.2	100	67.6	84.2	77.4



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 127

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.	85246.23		
Client Sample I.D.	B2-23		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/15/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Aldrin	2.0	4.0	ND
Chlordane (Total)	2.0	4.0	ND
Chlordane (alpha)	2.0	4.0	ND
4,4'-DDD (DDD)	2.0	4.0	ND
4,4'-DDE (DDE)	2.0	4.0	ND
4,4'-DDT (DDT)	2.0	4.0	ND
Dieldrin	2.0	4.0	ND
Endosulfan 1	2.0	4.0	ND
Endosulfan 11	2.0	4.0	ND
Endosulfan sulfate	2.0	4.0	ND
Endrin	2.0	4.0	ND
Endrin aldehyde	2.0	4.0	ND
Endrin ketone	2.0	4.0	ND
Chlordane (gamma)	2.0	4.0	ND
Heptachlor	2.0	4.0	ND
Heptachlor epoxide	2.0	4.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.0	4.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	2.0	4.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.0	4.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.0	4.0	ND
Methoxychlor	10	20	ND
Toxaphene	170	340	ND

Comment(s):

85246.23: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.23				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	84.6				
Tetrachloro-m-xylene	30-150	107				



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 129

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4

Our Lab I.D.	85246.24		
Client Sample I.D.	B2-24		
Date Sampled	11/09/2016		
Date Prepared	11/11/2016		
Preparation Method	3550B		
Date Analyzed	11/15/2016		
Matrix	Soil		
Units	ug/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Aldrin	1.0	2.0	ND
Chlordane (Total)	1.0	2.0	ND
Chlordane (alpha)	1.0	2.0	ND
4,4'-DDD (DDD)	1.0	2.0	ND
4,4'-DDE (DDE)	1.0	2.0	ND
4,4'-DDT (DDT)	1.0	2.0	ND
Dieldrin	1.0	2.0	ND
Endosulfan 1	1.0	2.0	ND
Endosulfan 11	1.0	2.0	ND
Endosulfan sulfate	1.0	2.0	ND
Endrin	1.0	2.0	ND
Endrin aldehyde	1.0	2.0	ND
Endrin ketone	1.0	2.0	ND
Chlordane (gamma)	1.0	2.0	ND
Heptachlor	1.0	2.0	ND
Heptachlor epoxide	1.0	2.0	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND
Methoxychlor	5.0	10.0	ND
Toxaphene	85.0	170.0	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85246.24				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	84.8				
Tetrachloro-m-xylene	30-150	97.6				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **131**

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Azinphos-methyl	50	50	ND			
Bolstar (Sulprofos)	50	50	ND			
Chloropyrifos (Dursban)	50	50	ND			
Coumaphos	50	50	ND			
Demeton-O & S	50	50	ND			
Diazinon	50	50	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND			
Disulfoton	50	50	ND			
Ethoprop	50	50	ND			
Fensulfothion	50	50	ND			
Fenthion	50	50	ND			
Malathion	50	50	ND			
Merphos	50	50	ND			
Methyl parathion (Parathion methyl)	50	50	ND			
Mevinphos	100	100	ND			
Naled	100	100	ND			
Phorate (Phosphorodithioic acid)	50	50	ND			
Ronnel	50	50	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND			
Tokuthion (Prothiofos)	50	50	ND			
Trichloronate	50	50	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		Method Blank				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	110				



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## ANALYTICAL RESULTS

### Ordered By

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GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			85246.01			
Client Sample I.D.			B2-1			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			10			
Analytes	MDL	PQL	Results			
Azinphos-methyl	500	500	ND			
Bolstar (Sulprofos)	500	500	ND			
Chlorpyrifos (Dursban)	500	500	ND			
Coumaphos	500	500	ND			
Demeton-O & S	500	500	ND			
Diazinon	500	500	ND			
Dichlorvos (DDVP, Diclorovos)	500	500	ND			
Disulfoton	500	500	ND			
Ethoprop	500	500	ND			
Fensulfothion	500	500	ND			
Fenthion	500	500	ND			
Malathion	500	500	ND			
Merphos	500	500	ND			
Methyl parathion (Parathion methyl)	500	500	ND			
Mevinphos	1000	1000	ND			
Naled	1000	1000	ND			
Phorate (Phosphorodithioic acid)	500	500	ND			
Ronnel	500	500	ND			
Tetrachlorvinphos (Stirophos)	500	500	ND			
Tokuthion (Prothiofos)	500	500	ND			
Trichloronate	500	500	ND			

### Comment(s):

85246.01: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.01				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	125				



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## ANALYTICAL RESULTS

### Ordered By

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Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.		85246.02	85246.03	85246.04	85246.05	85246.06	
Client Sample I.D.		B2-2	B2-3	B2-4	B2-5	B2-6	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		2	2	2	2	2	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Azinphos-methyl	100	100	ND	ND	ND	ND	ND
Bolstar (Sulprofos)	100	100	ND	ND	ND	ND	ND
Chloropyrifos (Dursban)	100	100	ND	ND	ND	ND	ND
Coumaphos	100	100	ND	ND	ND	ND	ND
Demeton-O & S	100	100	ND	ND	ND	ND	ND
Diazinon	100	100	ND	ND	ND	ND	ND
Dichlorvos (DDVP, Diclorovos)	100	100	ND	ND	ND	ND	ND
Disulfoton	100	100	ND	ND	ND	ND	ND
Ethoprop	100	100	ND	ND	ND	ND	ND
Fensulfothion	100	100	ND	ND	ND	ND	ND
Fenthion	100	100	ND	ND	ND	ND	ND
Malathion	100	100	ND	ND	ND	ND	ND
Merphos	100	100	ND	ND	ND	ND	ND
Methyl parathion (Parathion methyl)	100	100	ND	ND	ND	ND	ND
Mevinphos	200	200	ND	ND	ND	ND	ND
Naled	200	200	ND	ND	ND	ND	ND
Phorate (Phosphorodithioic acid)	100	100	ND	ND	ND	ND	ND
Ronnel	100	100	ND	ND	ND	ND	ND
Tetrachlorvinphos (Stirophos)	100	100	ND	ND	ND	ND	ND
Tokuthion (Prothiofos)	100	100	ND	ND	ND	ND	ND
Trichloronate	100	100	ND	ND	ND	ND	ND

### Comment(s):

85246.02: Analyzed under dilution due to matrix interference 85246.03: Analyzed under dilution due to matrix interference 85246.04: Analyzed under dilution due to matrix interference 85246.05: Analyzed under dilution due to matrix interference 85246.06: Analyzed under dilution due to matrix interference





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### ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.02	85246.03	85246.04	85246.05	85246.06
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Tributylphosphate	52-129	117	106	99.2	102	112



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### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.		85246.07			
Client Sample I.D.		B2-7			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Azinphos-methyl	100	100	ND		
Bolstar (Sulprofos)	100	100	ND		
Chloropyrifos (Dursban)	100	100	ND		
Coumaphos	100	100	ND		
Demeton-O & S	100	100	ND		
Diazinon	100	100	ND		
Dichlorvos (DDVP, Diclorovos)	100	100	ND		
Disulfoton	100	100	ND		
Ethoprop	100	100	ND		
Fensulfothion	100	100	ND		
Fenthion	100	100	ND		
Malathion	100	100	ND		
Merphos	100	100	ND		
Methyl parathion (Parathion methyl)	100	100	ND		
Mevinphos	200	200	ND		
Naled	200	200	ND		
Phorate (Phosphorodithioic acid)	100	100	ND		
Ronnel	100	100	ND		
Tetrachlorvinphos (Stirophos)	100	100	ND		
Tokuthion (Prothiofos)	100	100	ND		
Trichloronate	100	100	ND		

*Comment(s):*

85246.07: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.07				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	103				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			85246.08	85246.09			
Client Sample I.D.			B2-8	B2-9			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/14/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			20	20			
Analytes	MDL	PQL	Results	Results			
Azinphos-methyl	1000	1000	ND	ND			
Bolstar (Sulprofos)	1000	1000	ND	ND			
Chloropyrifos (Dursban)	1000	1000	ND	ND			
Coumaphos	1000	1000	ND	ND			
Demeton-O & S	1000	1000	ND	ND			
Diazinon	1000	1000	ND	ND			
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND	ND			
Disulfoton	1000	1000	ND	ND			
Ethoprop	1000	1000	ND	ND			
Fensulfothion	1000	1000	ND	ND			
Fenthion	1000	1000	ND	ND			
Malathion	1000	1000	ND	ND			
Merphos	1000	1000	ND	ND			
Methyl parathion (Parathion methyl)	1000	1000	ND	ND			
Mevinphos	2000	2000	ND	ND			
Naled	2000	2000	ND	ND			
Phorate (Phosphorodithioic acid)	1000	1000	ND	ND			
Ronnel	1000	1000	ND	ND			
Tetrachlorvinphos (Stirophos)	1000	1000	ND	ND			
Tokuthion (Prothiofos)	1000	1000	ND	ND			
Trichloronate	1000	1000	ND	ND			

Comment(s):

85246.08: Analyzed under dilution due to matrix interference 85246.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.08	85246.09			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Tributylphosphate	52-129	89.0	70.4			



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### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			85246.10	85246.11	85246.12		
Client Sample I.D.			B2-10	B2-11	B2-12		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/11/2016	11/11/2016	11/11/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/14/2016	11/14/2016	11/14/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			4	4	4		
Analytes	MDL	PQL	Results	Results	Results		
Azinphos-methyl	200	200	ND	ND	ND		
Bolstar (Sulprofos)	200	200	ND	ND	ND		
Chloropyrifos (Dursban)	200	200	ND	ND	ND		
Coumaphos	200	200	ND	ND	ND		
Demeton-O & S	200	200	ND	ND	ND		
Diazinon	200	200	ND	ND	ND		
Dichlorvos (DDVP, Diclorovos)	200	200	ND	ND	ND		
Disulfoton	200	200	ND	ND	ND		
Ethoprop	200	200	ND	ND	ND		
Fensulfothion	200	200	ND	ND	ND		
Fenthion	200	200	ND	ND	ND		
Malathion	200	200	ND	ND	ND		
Merphos	200	200	ND	ND	ND		
Methyl parathion (Parathion methyl)	200	200	ND	ND	ND		
Mevinphos	400	400	ND	ND	ND		
Naled	400	400	ND	ND	ND		
Phorate (Phosphorodithioic acid)	200	200	ND	ND	ND		
Ronnel	200	200	ND	ND	ND		
Tetrachlorvinphos (Stirophos)	200	200	ND	ND	ND		
Tokuthion (Prothiofos)	200	200	ND	ND	ND		
Trichloronate	200	200	ND	ND	ND		

*Comment(s):*

85246.10: Analyzed under dilution due to matrix interference 85246.11: Analyzed under dilution due to matrix interference 85246.12: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.10	85246.11	85246.12		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Tributylphosphate	52-129	72.5	66.8	72.4		



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			Method Blank	85246.13			
Client Sample I.D.				B2-13			
Date Sampled				11/09/2016			
Date Prepared			11/14/2016	11/14/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/15/2016	11/15/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Azinphos-methyl	50	50	ND	ND			
Bolstar (Sulprofos)	50	50	ND	ND			
Chloropyrifos (Dursban)	50	50	ND	ND			
Coumaphos	50	50	ND	ND			
Demeton-O & S	50	50	ND	ND			
Diazinon	50	50	ND	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND			
Disulfoton	50	50	ND	ND			
Ethoprop	50	50	ND	ND			
Fensulfothion	50	50	ND	ND			
Fenthion	50	50	ND	ND			
Malathion	50	50	ND	ND			
Merphos	50	50	ND	ND			
Methyl parathion (Parathion methyl)	50	50	ND	ND			
Mevinphos	100	100	ND	ND			
Naled	100	100	ND	ND			
Phorate (Phosphorodithioic acid)	50	50	ND	ND			
Ronnel	50	50	ND	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND	ND			
Tokuthion (Prothiofos)	50	50	ND	ND			
Trichloronate	50	50	ND	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		Method Blank	85246.13			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Tributylphosphate	52-129	110	83.2			



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## ANALYTICAL RESULTS

### Ordered By

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Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 145

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.14			
Client Sample I.D.			B2-14			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			20			
Analytes	MDL	PQL	Results			
Azinphos-methyl	1000	1000	ND			
Bolstar (Sulprofos)	1000	1000	ND			
Chloropyrifos (Dursban)	1000	1000	ND			
Coumaphos	1000	1000	ND			
Demeton-O & S	1000	1000	ND			
Diazinon	1000	1000	ND			
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND			
Disulfoton	1000	1000	ND			
Ethoprop	1000	1000	ND			
Fensulfothion	1000	1000	ND			
Fenthion	1000	1000	ND			
Malathion	1000	1000	ND			
Merphos	1000	1000	ND			
Methyl parathion (Parathion methyl)	1000	1000	ND			
Mevinphos	2000	2000	ND			
Naled	2000	2000	ND			
Phorate (Phosphorodithioic acid)	1000	1000	ND			
Ronnel	1000	1000	ND			
Tetrachlorvinphos (Stirophos)	1000	1000	ND			
Tokuthion (Prothiofos)	1000	1000	ND			
Trichloronate	1000	1000	ND			

### Comment(s):

85246.14: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.14				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	68.8				



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			4			
Analytes	MDL	PQL	Results			
Azinphos-methyl	200	200	ND			
Bolstar (Sulprofos)	200	200	ND			
Chloropyrifos (Dursban)	200	200	ND			
Coumaphos	200	200	ND			
Demeton-O & S	200	200	ND			
Diazinon	200	200	ND			
Dichlorvos (DDVP, Diclorovos)	200	200	ND			
Disulfoton	200	200	ND			
Ethoprop	200	200	ND			
Fensulfothion	200	200	ND			
Fenthion	200	200	ND			
Malathion	200	200	ND			
Merphos	200	200	ND			
Methyl parathion (Parathion methyl)	200	200	ND			
Mevinphos	400	400	ND			
Naled	400	400	ND			
Phorate (Phosphorodithioic acid)	200	200	ND			
Ronnel	200	200	ND			
Tetrachlorvinphos (Stirophos)	200	200	ND			
Tokuthion (Prothiofos)	200	200	ND			
Trichloronate	200	200	ND			

*Comment(s):*

85246.15: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.15				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	69.6				



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.16			
Client Sample I.D.			B2-16			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			20			
Analytes	MDL	PQL	Results			
Azinphos-methyl	1000	1000	ND			
Bolstar (Sulprofos)	1000	1000	ND			
Chloropyrifos (Dursban)	1000	1000	ND			
Coumaphos	1000	1000	ND			
Demeton-O & S	1000	1000	ND			
Diazinon	1000	1000	ND			
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND			
Disulfoton	1000	1000	ND			
Ethoprop	1000	1000	ND			
Fensulfothion	1000	1000	ND			
Fenthion	1000	1000	ND			
Malathion	1000	1000	ND			
Merphos	1000	1000	ND			
Methyl parathion (Parathion methyl)	1000	1000	ND			
Mevinphos	2000	2000	ND			
Naled	2000	2000	ND			
Phorate (Phosphorodithioic acid)	1000	1000	ND			
Ronnel	1000	1000	ND			
Tetrachlorvinphos (Stirophos)	1000	1000	ND			
Tokuthion (Prothiofos)	1000	1000	ND			
Trichloronate	1000	1000	ND			

*Comment(s):*

85246.16: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.16				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	70.8				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.17			
Client Sample I.D.			B2-17			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			4			
Analytes	MDL	PQL	Results			
Azinphos-methyl	200	200	ND			
Bolstar (Sulprofos)	200	200	ND			
Chloropyrifos (Dursban)	200	200	ND			
Coumaphos	200	200	ND			
Demeton-O & S	200	200	ND			
Diazinon	200	200	ND			
Dichlorvos (DDVP, Diclorovos)	200	200	ND			
Disulfoton	200	200	ND			
Ethoprop	200	200	ND			
Fensulfothion	200	200	ND			
Fenthion	200	200	ND			
Malathion	200	200	ND			
Merphos	200	200	ND			
Methyl parathion (Parathion methyl)	200	200	ND			
Mevinphos	400	400	ND			
Naled	400	400	ND			
Phorate (Phosphorodithioic acid)	200	200	ND			
Ronnel	200	200	ND			
Tetrachlorvinphos (Stirophos)	200	200	ND			
Tokuthion (Prothiofos)	200	200	ND			
Trichloronate	200	200	ND			

*Comment(s):*

85246.17: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.17				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	67.3				



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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.18			
Client Sample I.D.			B2-18			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			20			
Analytes	MDL	PQL	Results			
Azinphos-methyl	1000	1000	ND			
Bolstar (Sulprofos)	1000	1000	ND			
Chloropyrifos (Dursban)	1000	1000	ND			
Coumaphos	1000	1000	ND			
Demeton-O & S	1000	1000	ND			
Diazinon	1000	1000	ND			
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND			
Disulfoton	1000	1000	ND			
Ethoprop	1000	1000	ND			
Fensulfothion	1000	1000	ND			
Fenthion	1000	1000	ND			
Malathion	1000	1000	ND			
Merphos	1000	1000	ND			
Methyl parathion (Parathion methyl)	1000	1000	ND			
Mevinphos	2000	2000	ND			
Naled	2000	2000	ND			
Phorate (Phosphorodithioic acid)	1000	1000	ND			
Ronnel	1000	1000	ND			
Tetrachlorvinphos (Stirophos)	1000	1000	ND			
Tokuthion (Prothiofos)	1000	1000	ND			
Trichloronate	1000	1000	ND			

*Comment(s):*

85246.18: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.18				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	66.4				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.19			
Client Sample I.D.			B2-19			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			4			
Analytes	MDL	PQL	Results			
Azinphos-methyl	200	200	ND			
Bolstar (Sulprofos)	200	200	ND			
Chloropyrifos (Dursban)	200	200	ND			
Coumaphos	200	200	ND			
Demeton-O & S	200	200	ND			
Diazinon	200	200	ND			
Dichlorvos (DDVP, Diclorovos)	200	200	ND			
Disulfoton	200	200	ND			
Ethoprop	200	200	ND			
Fensulfothion	200	200	ND			
Fenthion	200	200	ND			
Malathion	200	200	ND			
Merphos	200	200	ND			
Methyl parathion (Parathion methyl)	200	200	ND			
Mevinphos	400	400	ND			
Naled	400	400	ND			
Phorate (Phosphorodithioic acid)	200	200	ND			
Ronnel	200	200	ND			
Tetrachlorvinphos (Stirophos)	200	200	ND			
Tokuthion (Prothiofos)	200	200	ND			
Trichloronate	200	200	ND			

*Comment(s):*

85246.19: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.19				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	65.8				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.		85246.20	85246.21	85246.22		
Client Sample I.D.		B2-20	B2-21	B2-22		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/14/2016	11/14/2016	11/14/2016		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		11/15/2016	11/15/2016	11/15/2016		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		20	20	20		
Analytes	MDL	PQL	Results	Results	Results	
Azinphos-methyl	1000	1000	ND	ND	ND	
Bolstar (Sulprofos)	1000	1000	ND	ND	ND	
Chlorpyrifos (Dursban)	1000	1000	ND	ND	ND	
Coumaphos	1000	1000	ND	ND	ND	
Demeton-O & S	1000	1000	ND	ND	ND	
Diazinon	1000	1000	ND	ND	ND	
Dichlorvos (DDVP, Diclorovos)	1000	1000	ND	ND	ND	
Disulfoton	1000	1000	ND	ND	ND	
Ethoprop	1000	1000	ND	ND	ND	
Fensulfothion	1000	1000	ND	ND	ND	
Fenthion	1000	1000	ND	ND	ND	
Malathion	1000	1000	ND	ND	ND	
Merphos	1000	1000	ND	ND	ND	
Methyl parathion (Parathion methyl)	1000	1000	ND	ND	ND	
Mevinphos	2000	2000	ND	ND	ND	
Naled	2000	2000	ND	ND	ND	
Phorate (Phosphorodithioic acid)	1000	1000	ND	ND	ND	
Ronnel	1000	1000	ND	ND	ND	
Tetrachlorvinphos (Stirophos)	1000	1000	ND	ND	ND	
Tokuthion (Prothiofos)	1000	1000	ND	ND	ND	
Trichloronate	1000	1000	ND	ND	ND	

*Comment(s):*

85246.20: Analyzed under dilution due to matrix interference 85246.21: Analyzed under dilution due to matrix interference 85246.22: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.20	85246.21	85246.22		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Tributylphosphate	52-129	64.4	66.0	68.4		



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.			85246.23			
Client Sample I.D.			B2-23			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			4			
Analytes	MDL	PQL	Results			
Azinphos-methyl	200	200	ND			
Bolstar (Sulprofos)	200	200	ND			
Chloropyrifos (Dursban)	200	200	ND			
Coumaphos	200	200	ND			
Demeton-O & S	200	200	ND			
Diazinon	200	200	ND			
Dichlorvos (DDVP, Diclorovos)	200	200	ND			
Disulfoton	200	200	ND			
Ethoprop	200	200	ND			
Fensulfothion	200	200	ND			
Fenthion	200	200	ND			
Malathion	200	200	ND			
Merphos	200	200	ND			
Methyl parathion (Parathion methyl)	200	200	ND			
Mevinphos	400	400	ND			
Naled	400	400	ND			
Phorate (Phosphorodithioic acid)	200	200	ND			
Ronnel	200	200	ND			
Tetrachlorvinphos (Stirophos)	200	200	ND			
Tokuthion (Prothiofos)	200	200	ND			
Trichloronate	200	200	ND			

### Comment(s):

85246.23: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.23				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	100				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416

Our Lab I.D.		85246.24			
Client Sample I.D.		B2-24			
Date Sampled		11/09/2016			
Date Prepared		11/14/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		1			
Analytes	MDL	PQL	Results		
Azinphos-methyl	50	50	ND		
Bolstar (Sulprofos)	50	50	ND		
Chloropyrifos (Dursban)	50	50	ND		
Coumaphos	50	50	ND		
Demeton-O & S	50	50	ND		
Diazinon	50	50	ND		
Dichlorvos (DDVP, Diclorovos)	50	50	ND		
Disulfoton	50	50	ND		
Ethoprop	50	50	ND		
Fensulfothion	50	50	ND		
Fenthion	50	50	ND		
Malathion	50	50	ND		
Merphos	50	50	ND		
Methyl parathion (Parathion methyl)	50	50	ND		
Mevinphos	100	100	ND		
Naled	100	100	ND		
Phorate (Phosphorodithioic acid)	50	50	ND		
Ronnel	50	50	ND		
Tetrachlorvinphos (Stirophos)	50	50	ND		
Tokuthion (Prothiofos)	50	50	ND		
Trichloronate	50	50	ND		



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85246.24				
Surrogates	%Rec.Limit	% Rec.				
Tributylphosphate	52-129	80.0				



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.			Method Blank				
Surrogates	%Rec.Limit		% Rec.				
DCAA	40-150		82.5				



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.01			
Client Sample I.D.			B2-1			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Acifluorfen	40	40	ND			
Bentazon	20	20	ND			
Chloramben	20	20	ND			
2,4-D	20	20	ND			
Dalapon	40	40	ND			
2,4-DB	20	20	ND			
DCPA diacid	40	40	ND			
Dicamba	20	20	ND			
3,5-Dichlorobenzoic acid	20	20	ND			
Dichloroprop	20	20	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	40	40	ND			
MCPA	4000	4000	ND			
MCPP	4000	4000	ND			
4-Nitrophenol	20	20	ND			
Pentachlorophenol (PCP)	20	20	ND			
Picloram	20	20	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	20	20	ND			
2,4,5-TP	20	20	ND			

*Comment(s):*

85246.01: Analyzed under dilution due to matrix interference



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.01				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	64.0				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.02			
Client Sample I.D.			B2-2			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.02				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	70.0				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			Method Blank	85246.03			
Client Sample I.D.				B2-3			
Date Sampled				11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/14/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acifluorfen	20	20	ND	ND			
Bentazon	10	10	ND	ND			
Chloramben	10	10	ND	ND			
2,4-D	10	10	ND	ND			
Dalapon	20	20	ND	ND			
2,4-DB	10	10	ND	ND			
DCPA diacid	20	20	ND	ND			
Dicamba	10	10	ND	ND			
3,5-Dichlorobenzoic acid	10	10	ND	ND			
Dichloroprop	10	10	ND	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND			
MCPA	2000	2000	ND	ND			
MCPP	2000	2000	ND	ND			
4-Nitrophenol	10	10	ND	ND			
Pentachlorophenol (PCP)	10	10	ND	ND			
Picloram	10	10	ND	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND			
2,4,5-TP	10	10	ND	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		Method Blank	85246.03			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
DCAA	40-150	79.2	56.2			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.04	85246.05			
Client Sample I.D.			B2-4	B2-5			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/14/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			2	2			
Analytes	MDL	PQL	Results	Results			
Acifluorfen	40	40	ND	ND			
Bentazon	20	20	ND	ND			
Chloramben	20	20	ND	ND			
2,4-D	20	20	ND	ND			
Dalapon	40	40	ND	ND			
2,4-DB	20	20	ND	ND			
DCPA diacid	40	40	ND	ND			
Dicamba	20	20	ND	ND			
3,5-Dichlorobenzoic acid	20	20	ND	ND			
Dichloroprop	20	20	ND	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	40	40	ND	ND			
MCPA	4000	4000	ND	ND			
MCPP	4000	4000	ND	ND			
4-Nitrophenol	20	20	ND	ND			
Pentachlorophenol (PCP)	20	20	ND	ND			
Picloram	20	20	ND	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	20	20	ND	ND			
2,4,5-TP	20	20	ND	ND			

*Comment(s):*

85246.04: Analyzed under dilution due to matrix interference 85246.05: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.04	85246.05			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
DCAA	40-150	61.8	64.6			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.06	85246.07	85246.08	85246.09	
Client Sample I.D.			B2-6	B2-7	B2-8	B2-9	
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/05/2016	11/05/2016	11/05/2016	11/05/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			5	5	5	5	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acifluorfen	100	100	ND	ND	ND	ND	
Bentazon	50	50	ND	ND	ND	ND	
Chloramben	50	50	ND	ND	ND	ND	
2,4-D	50	50	ND	ND	ND	ND	
Dalapon	100	100	ND	ND	ND	ND	
2,4-DB	50	50	ND	ND	ND	ND	
DCPA diacid	100	100	ND	ND	ND	ND	
Dicamba	50	50	ND	ND	ND	ND	
3,5-Dichlorobenzoic acid	50	50	ND	ND	ND	ND	
Dichloroprop	50	50	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	100	100	ND	ND	ND	ND	
MCPA	10000	10000	ND	ND	ND	ND	
MCPP	10000	10000	ND	ND	ND	ND	
4-Nitrophenol	50	50	ND	ND	ND	ND	
Pentachlorophenol (PCP)	50	50	ND	ND	ND	ND	
Picloram	50	50	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	50	50	ND	ND	ND	ND	
2,4,5-TP	50	50	ND	ND	ND	ND	

*Comment(s):*

85246.06: Analyzed under dilution due to matrix interference 85246.07: Analyzed under dilution due to matrix interference 85246.08: Analyzed under dilution due to matrix interference 85246.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.06	85246.07	85246.08	85246.09	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
DCAA	40-150	74.0	93.6	53.4	62.8	



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.10			
Client Sample I.D.			B2-10			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			





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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.10				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	60.2				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.11			
Client Sample I.D.			B2-11			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Acifluorfen	40	40	ND			
Bentazon	20	20	ND			
Chloramben	20	20	ND			
2,4-D	20	20	ND			
Dalapon	40	40	ND			
2,4-DB	20	20	ND			
DCPA diacid	40	40	ND			
Dicamba	20	20	ND			
3,5-Dichlorobenzoic acid	20	20	ND			
Dichloroprop	20	20	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	40	40	ND			
MCPA	4000	4000	ND			
MCPP	4000	4000	ND			
4-Nitrophenol	20	20	ND			
Pentachlorophenol (PCP)	20	20	ND			
Picloram	20	20	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	20	20	ND			
2,4,5-TP	20	20	ND			

*Comment(s):*

85246.11: Analyzed under dilution due to matrix interference



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.11				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	72.6				



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### Site

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.12	85246.13			
Client Sample I.D.			B2-12	B2-13			
Date Sampled			11/09/2016	11/09/2016			
Date Prepared			11/11/2016	11/11/2016			
Preparation Method			3550B	3550B			
Date Analyzed			11/14/2016	11/14/2016			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acifluorfen	20	20	ND	ND			
Bentazon	10	10	ND	ND			
Chloramben	10	10	ND	ND			
2,4-D	10	10	ND	ND			
Dalapon	20	20	ND	ND			
2,4-DB	10	10	ND	ND			
DCPA diacid	20	20	ND	ND			
Dicamba	10	10	ND	ND			
3,5-Dichlorobenzoic acid	10	10	ND	ND			
Dichloroprop	10	10	ND	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND			
MCPA	2000	2000	ND	ND			
MCPP	2000	2000	ND	ND			
4-Nitrophenol	10	10	ND	ND			
Pentachlorophenol (PCP)	10	10	ND	ND			
Picloram	10	10	ND	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND			
2,4,5-TP	10	10	ND	ND			



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.12	85246.13			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
DCAA	40-150	57.4	81.6			



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.14			
Client Sample I.D.			B2-14			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			10			
Analytes	MDL	PQL	Results			
Acifluorfen	200	200	ND			
Bentazon	100	100	ND			
Chloramben	100	100	ND			
2,4-D	100	100	ND			
Dalapon	200	200	ND			
2,4-DB	100	100	ND			
DCPA diacid	200	200	ND			
Dicamba	100	100	ND			
3,5-Dichlorobenzoic acid	100	100	ND			
Dichloroprop	100	100	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	200	200	ND			
MCPA	20000	20000	ND			
MCPP	20000	20000	ND			
4-Nitrophenol	100	100	ND			
Pentachlorophenol (PCP)	100	100	ND			
Picloram	100	100	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	100	100	ND			
2,4,5-TP	100	100	ND			

### Comment(s):

85246.14: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.14				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	71.6				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			





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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.15				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	65.4				



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URP #3

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.16			
Client Sample I.D.			B2-16			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			5			
Analytes	MDL	PQL	Results			
Acifluorfen	100	100	ND			
Bentazon	50	50	ND			
Chloramben	50	50	ND			
2,4-D	50	50	ND			
Dalapon	100	100	ND			
2,4-DB	50	50	ND			
DCPA diacid	100	100	ND			
Dicamba	50	50	ND			
3,5-Dichlorobenzoic acid	50	50	ND			
Dichloroprop	50	50	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	100	100	ND			
MCPA	10000	10000	ND			
MCPP	10000	10000	ND			
4-Nitrophenol	50	50	ND			
Pentachlorophenol (PCP)	50	50	ND			
Picloram	50	50	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	50	50	ND			
2,4,5-TP	50	50	ND			

### Comment(s):

85246.16: Analyzed under dilution due to matrix interference



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.16				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	45.2				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.17			
Client Sample I.D.			B2-17			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			



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Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

<b>Our Lab I.D.</b>			85246.17				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
DCAA	40-150		44.2				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.18	85246.19	85246.20		
Client Sample I.D.			B2-18	B2-19	B2-20		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/14/2016	11/14/2016	11/14/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/05/2016	11/05/2016	11/05/2016		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			5	5	5		
Analytes	MDL	PQL	Results	Results	Results		
Acifluorfen	100	100	ND	ND	ND		
Bentazon	50	50	ND	ND	ND		
Chloramben	50	50	ND	ND	ND		
2,4-D	50	50	ND	ND	ND		
Dalapon	100	100	ND	ND	ND		
2,4-DB	50	50	ND	ND	ND		
DCPA diacid	100	100	ND	ND	ND		
Dicamba	50	50	ND	ND	ND		
3,5-Dichlorobenzoic acid	50	50	ND	ND	ND		
Dichloroprop	50	50	ND	ND	ND		
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	100	100	ND	ND	ND		
MCPA	10000	10000	ND	ND	ND		
MCPP	10000	10000	ND	ND	ND		
4-Nitrophenol	50	50	ND	ND	ND		
Pentachlorophenol (PCP)	50	50	ND	ND	ND		
Picloram	50	50	ND	ND	ND		
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	50	50	ND	ND	ND		
2,4,5-TP	50	50	ND	ND	ND		

### Comment(s):

85246.18: Analyzed under dilution due to matrix interference 85246.19: Analyzed under dilution due to matrix interference 85246.20: Analyzed under dilution due to matrix interference



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.18	85246.19	85246.20		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
DCAA	40-150	53.2	23.2 86	62.6		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.21			
Client Sample I.D.			B2-21			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			2			
Analytes	MDL	PQL	Results			
Acifluorfen	40	40	ND			
Bentazon	20	20	ND			
Chloramben	20	20	ND			
2,4-D	20	20	ND			
Dalapon	40	40	ND			
2,4-DB	20	20	ND			
DCPA diacid	40	40	ND			
Dicamba	20	20	ND			
3,5-Dichlorobenzoic acid	20	20	ND			
Dichloroprop	20	20	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	40	40	ND			
MCPA	4000	4000	ND			
MCPP	4000	4000	ND			
4-Nitrophenol	20	20	ND			
Pentachlorophenol (PCP)	20	20	ND			
Picloram	20	20	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	20	20	ND			
2,4,5-TP	20	20	ND			

*Comment(s):*

85246.21: Analyzed under dilution due to matrix interference





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.21				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	47.4				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.22			
Client Sample I.D.			B2-22			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.22				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	41.4				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85246.23			
Client Sample I.D.			B2-23			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			



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Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

<b>Our Lab I.D.</b>			85246.23				
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>				
DCAA	40-150		82.6				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416

Our Lab I.D.			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/14/2016			
Preparation Method			3550B			
Date Analyzed			11/05/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acifluorfen	20	20	ND			
Bentazon	10	10	ND			
Chloramben	10	10	ND			
2,4-D	10	10	ND			
Dalapon	20	20	ND			
2,4-DB	10	10	ND			
DCPA diacid	20	20	ND			
Dicamba	10	10	ND			
3,5-Dichlorobenzoic acid	10	10	ND			
Dichloroprop	10	10	ND			
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND			
MCPA	2000	2000	ND			
MCPP	2000	2000	ND			
4-Nitrophenol	10	10	ND			
Pentachlorophenol (PCP)	10	10	ND			
Picloram	10	10	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND			
2,4,5-TP	10	10	ND			



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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85246.24				
Surrogates	%Rec.Limit	% Rec.				
DCAA	40-150	20.5 S6				



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### Site

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C1

Our Lab I.D.			Method Blank	85246.01	85246.02	85246.03	85246.04
Client Sample I.D.				B2-1	B2-2	B2-3	B2-4
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	1.54J	5.50	3.55J	3.96J
Barium	2.5	5.0	ND	74.9	89.1	88.2	83.5
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	9.32	12.7	16.7	20.4
Cobalt	2.5	5.0	ND	5.70	7.03	7.07	7.52
Copper	2.5	5.0	ND	12.7	16.8	33.5	47.3
Lead	2.5	5.0	ND	22.0	12.0	56.8	246
Mercury (By EPA 7471)	0.1	0.2	ND	0.191J	ND	0.154J	0.153J
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	5.94	9.42	8.89	15.1
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	24.2	26.5	29.1	33.7
Zinc	2.5	5.0	ND	44.1	47.7	154	921





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 200

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C1

Our Lab I.D.			85246.05	85246.06	85246.07	85246.08	85246.09
Client Sample I.D.			B2-5	B2-6	B2-7	B2-8	B2-9
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	2.08J	4.54J	2.18J	2.93J	5.61
Barium	2.5	5.0	87.9	89.2	94.9	88.2	95.8
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	15.9	18.7	15.2	9.70	13.5
Cobalt	2.5	5.0	7.12	6.54	7.51	6.00	6.36
Copper	2.5	5.0	27.0	67.0	19.9	23.4	117
Lead	2.5	5.0	68.3	66.9	18.9	25.3	34.8
Mercury (By EPA 7471)	0.1	0.2	0.197J	ND	0.102J	0.108J	ND
Molybdenum	2.5	5.0	ND	ND	ND	6.46	34.4
Nickel	2.5	5.0	10.6	19.0	11.0	10.1	10.7
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	34.1	27.3	31.5	24.8	25.0
Zinc	2.5	5.0	103	99.7	56.2	65.2	115



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## ANALYTICAL RESULTS

### Ordered By

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900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 201

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C1

Our Lab I.D.	85246.10		
Client Sample I.D.	B2-10		
Date Sampled	11/09/2016		
Date Prepared	11/12/2016		
Preparation Method	3050B		
Date Analyzed	11/14/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Antimony	1.0	5.0	ND
Arsenic	1.0	5.0	2.09J
Barium	2.5	5.0	50.8
Beryllium	1.3	2.5	ND
Cadmium	1.3	2.5	ND
Chromium	2.5	5.0	9.34
Cobalt	2.5	5.0	4.54J
Copper	2.5	5.0	15.2
Lead	2.5	5.0	14.0
Mercury (By EPA 7471)	0.1	0.2	ND
Molybdenum	2.5	5.0	ND
Nickel	2.5	5.0	5.97
Selenium	1.0	5.0	ND
Silver	2.5	5.0	ND
Thallium	1.0	5.0	ND
Vanadium	2.5	5.0	19.9
Zinc	2.5	5.0	46.6



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 202

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C2

Our Lab I.D.			Method Blank	85246.11	85246.12	85246.13	85246.14
Client Sample I.D.				B2-11	B2-12	B2-13	B2-14
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	2.66J	2.01J	ND	2.55J
Barium	2.5	5.0	ND	68.9	58.3	64.7	108
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	11.3	7.87	8.79	10.8
Cobalt	2.5	5.0	ND	5.41	4.51J	4.30J	6.26
Copper	2.5	5.0	ND	43.0	13.6	14.9	15.8
Lead	2.5	5.0	ND	23.6	5.60	2.70J	38.4
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	8.52	ND	ND	ND
Nickel	2.5	5.0	ND	8.26	5.69	6.86	12.2
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	22.4	19.8	18.0	25.2
Zinc	2.5	5.0	ND	62.8	41.2	66.5	47.9



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 203

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C2

Our Lab I.D.			85246.15	85246.16	85246.17	85246.18	85246.19
Client Sample I.D.			B2-15	B2-16	B2-17	B2-18	B2-19
Date Sampled			11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	1.77J	4.29J	2.82J	3.06J
Barium	2.5	5.0	62.9	86.9	117	137	93.2
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	8.52	9.51	15.5	35.3	13.2
Cobalt	2.5	5.0	4.93J	5.18	5.79	5.21	5.42
Copper	2.5	5.0	15.1	23.1	19.6	32.6	17.0
Lead	2.5	5.0	8.16	53.5	65.7	130	11.2
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.104J	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	6.52	10.4	8.76	9.39	7.92
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	21.0	25.5	22.8	28.3	24.6
Zinc	2.5	5.0	44.1	79.8	127	129	40.2



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 204

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C2

Our Lab I.D.	85246.20		
Client Sample I.D.	B2-20		
Date Sampled	11/09/2016		
Date Prepared	11/12/2016		
Preparation Method	3050B		
Date Analyzed	11/14/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	1		
Analytes	MDL	PQL	Results
Antimony	1.0	5.0	ND
Arsenic	1.0	5.0	5.94
Barium	2.5	5.0	99.6
Beryllium	1.3	2.5	ND
Cadmium	1.3	2.5	ND
Chromium	2.5	5.0	26.0
Cobalt	2.5	5.0	10.2
Copper	2.5	5.0	252
Lead	2.5	5.0	82.3
Mercury (By EPA 7471)	0.1	0.2	ND
Molybdenum	2.5	5.0	ND
Nickel	2.5	5.0	62.4
Selenium	1.0	5.0	ND
Silver	2.5	5.0	ND
Thallium	1.0	5.0	ND
Vanadium	2.5	5.0	21.9
Zinc	2.5	5.0	360



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 205

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C3

Our Lab I.D.			Method Blank	85246.21	85246.22	85246.23	85246.24
Client Sample I.D.				B2-21	B2-22	B2-23	B2-24
Date Sampled				11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	3.55J	5.06	2.67J	2.59J
Barium	2.5	5.0	ND	72.1	70.8	58.1	63.2
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	11.6	9.21	8.37	13.2
Cobalt	2.5	5.0	ND	5.37	5.40	5.25	5.07
Copper	2.5	5.0	ND	29.8	24.3	13.3	9.78
Lead	2.5	5.0	ND	41.0	28.6	6.37	2.87J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	11.3	8.32	6.12	6.47
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	21.6	24.1	19.7	18.1
Zinc	2.5	5.0	ND	65.9	61.8	38.0	28.3



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 206

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85246.01	85246.02	85246.03	85246.04	85246.05
Client Sample I.D.		B2-1	B2-2	B2-3	B2-4	B2-5
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		600R93116	600R93116	600R93116	600R93116	600R93116
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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Page: 207

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85246.06	85246.07	85246.08	85246.09	85246.10
Client Sample I.D.		B2-6	B2-7	B2-8	B2-9	B2-10
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		600R93116	600R93116	600R93116	600R93116	600R93116
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND





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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85246.11	85246.12	85246.13	85246.14	85246.15
Client Sample I.D.		B2-11	B2-12	B2-13	B2-14	B2-15
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		600R93116	600R93116	600R93116	600R93116	600R93116
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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Page: 209

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85246.16	85246.17	85246.18	85246.19	85246.20
Client Sample I.D.		B2-16	B2-17	B2-18	B2-19	B2-20
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		600R93116	600R93116	600R93116	600R93116	600R93116
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	Chrysotile



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **210**

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.	85246.21	85246.22	85246.23	85246.24
Client Sample I.D.	B2-21	B2-22	B2-23	B2-24
Date Sampled	11/09/2016	11/09/2016	11/09/2016	11/09/2016
Date Prepared	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method	600R93116	600R93116	600R93116	600R93116
Date Analyzed	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix	Soil	Soil	Soil	Soil
Units	Percent	Percent	Percent	Percent
Dilution Factor	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND



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## QUALITY CONTROL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 211

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C1; Dup or Spiked Sample: 85246.01; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	0.00	50.0	46.3	92.6	50.0	46.6	93.2	<1	75-125	<15
Arsenic	1.54	50.0	48.8	94.5	50.0	49.3	95.5	1.05	75-125	<15
Barium	74.9	50.0	127	104	50.0	127	104	<1	75-125	<15
Beryllium	0.00	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15
Cadmium	0.00	50.0	44.9	89.8	50.0	44.9	89.8	<1	75-125	<15
Chromium	9.32	50.0	55.9	93.2	50.0	55.9	93.2	<1	75-125	<15
Cobalt	5.70	50.0	50.6	89.8	50.0	50.6	89.8	<1	75-125	<15
Copper	12.7	50.0	63.2	101	50.0	62.5	99.6	1.40	75-125	<15
Lead	22.0	50.0	59.0 M	74.0	50.0	59.1 M	74.2	<1	75-125	<15
Mercury (By EPA 7471)	0.191	0.500	0.578	77.4	0.500	0.590	79.8	3.1	75-125	<15
Molybdenum	0.00	50.0	45.3	90.6	50.0	45.4	90.8	<1	75-125	<15
Nickel	5.94	50.0	48.0	84.1	50.0	47.9	83.9	<1	75-125	<15
Selenium	0.00	50.0	41.3	82.6	50.0	41.4	82.8	<1	75-125	<15
Silver	0.00	50.0	46.0	92.0	50.0	45.8	91.6	<1	75-125	<15
Thallium	0.00	50.0	37.5	75.0	50.0	37.0 M	74.0	1.34	75-125	<15
Vanadium	24.2	50.0	73.1	97.8	50.0	73.0	97.6	<1	75-125	<15
Zinc	44.1	50.0	86.8	85.4	50.0	86.3	84.4	1.18	75-125	<15

QC Batch No: 1112162C1; Dup or Spiked Sample: 85246.01; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15
Arsenic	50.0	50.5	101	50.0	51.0	102	<1	75-125	<15
Barium	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15
Beryllium	50.0	55.5	111	50.0	56.0	112	<1	75-125	<15
Cadmium	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15
Chromium	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15
Cobalt	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15
Copper	50.0	48.6	97.2	50.0	49.3	98.6	1.43	75-125	<15
Lead	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C1; Dup or Spiked Sample: 85246.01; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.550	110	6.6	75-125	<15
Molybdenum	50.0	49.8	99.6	50.0	50.5	101	1.40	75-125	<15
Nickel	50.0	51.0	102	50.0	51.5	103	<1	75-125	<15
Selenium	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15
Silver	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15
Thallium	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15
Vanadium	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15
Zinc	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15



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## QUALITY CONTROL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 213

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C2; Dup or Spiked Sample: 85246.11; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	0.00	50.0	44.5	89.0	50.0	44.9	89.8	<1	75-125	<15
Arsenic	2.66	50.0	49.8	94.3	50.0	50.5	95.7	1.5	75-125	<15
Barium	68.9	50.0	114	90.2	50.0	113	88.2	2.2	75-125	<15
Beryllium	0.00	50.0	49.2	98.4	50.0	49.2	98.4	<1	75-125	<15
Cadmium	0.00	50.0	40.8	81.6	50.0	40.8	81.6	<1	75-125	<15
Chromium	11.3	50.0	53.8	85.0	50.0	54.1	85.6	<1	75-125	<15
Cobalt	5.41	50.0	45.3	79.8	50.0	45.5	80.2	<1	75-125	<15
Copper	43.0	50.0	115 M	144	50.0	113 M	140	2.8	75-125	<15
Lead	23.6	50.0	59.1 M	71.0	50.0	59.3 M	71.4	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.505	101	0.500	0.497	99.4	1.6	75-125	<15
Molybdenum	8.52	50.0	53.8	90.6	50.0	54.2	91.4	<1	75-125	<15
Nickel	8.26	50.0	45.1 M	73.7	50.0	45.0 M	73.5	<1	75-125	<15
Selenium	0.00	50.0	39.5	79.0	50.0	39.9	79.8	1.0	75-125	<15
Silver	0.00	50.0	45.1	90.2	50.0	44.9	89.8	<1	75-125	<15
Thallium	0.00	50.0	33.1 M	66.2	50.0	33.0 M	66.0	<1	75-125	<15
Vanadium	22.4	50.0	65.5	86.2	50.0	65.2	85.6	<1	75-125	<15
Zinc	62.8	50.0	109	92.4	50.0	108	90.4	2.2	75-125	<15

QC Batch No: 1112162C2; Dup or Spiked Sample: 85246.11; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15
Arsenic	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15
Barium	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15
Beryllium	50.0	56.5	113	50.0	56.5	113	<1	75-125	<15
Cadmium	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15
Chromium	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15
Cobalt	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15
Copper	50.0	49.2	98.4	50.0	49.2	98.4	<1	75-125	<15
Lead	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C2; Dup or Spiked Sample: 85246.11; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
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	
Mercury (By EPA 7471)	0.500	0.555	111	0.500	0.540	108	2.7	75-125	<15	
Molybdenum	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Nickel	50.0	51.5	103	50.0	52.0	104	<1	75-125	<15	
Selenium	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Silver	50.0	52.0	104	50.0	52.0	104	<1	75-125	<15	
Thallium	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Vanadium	50.0	52.0	104	50.0	52.5	105	<1	75-125	<15	
Zinc	50.0	53.0	106	50.0	53.5	107	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 215

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C3; Dup or Spiked Sample: 85246.21; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	0.00	50.0	45.0	90.0	50.0	45.3	90.6	<1	75-125	<15
Arsenic	3.55	50.0	50.7	94.3	50.0	50.6	94.1	<1	75-125	<15
Barium	72.1	50.0	120	95.8	50.0	120	95.8	<1	75-125	<15
Beryllium	0.00	50.0	49.7	99.4	50.0	49.9	99.8	<1	75-125	<15
Cadmium	0.00	50.0	41.9	83.8	50.0	41.9	83.8	<1	75-125	<15
Chromium	11.6	50.0	58.3	93.4	50.0	58.4	93.6	<1	75-125	<15
Cobalt	5.37	50.0	47.3	83.9	50.0	47.2	83.7	<1	75-125	<15
Copper	29.8	50.0	84.8	110	50.0	85.3	111	<1	75-125	<15
Lead	41.0	50.0	74.3 M	66.6	50.0	74.0 M	66.0	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.525	105	0.500	0.530	106	<1	75-125	<15
Molybdenum	0.00	50.0	43.5	87.0	50.0	43.6	87.2	<1	75-125	<15
Nickel	11.3	50.0	51.3	80.0	50.0	51.3	80.0	<1	75-125	<15
Selenium	0.00	50.0	40.4	80.8	50.0	39.0	78.0	3.5	75-125	<15
Silver	0.00	50.0	44.3	88.6	50.0	44.4	88.8	<1	75-125	<15
Thallium	0.00	50.0	34.2	68.4	50.0	34.1	68.2	<1	75-125	<15
Vanadium	21.6	50.0	68.7	94.2	50.0	68.9	94.6	<1	75-125	<15
Zinc	65.9	50.0	103 M	74.2	50.0	103 M	74.2	<1	75-125	<15

QC Batch No: 1112162C3; Dup or Spiked Sample: 85246.21; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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
Antimony	50.0	51.0	102	50.0	50.0	100	2.0	75-125	<15
Arsenic	50.0	51.5	103	50.0	50.5	101	2.0	75-125	<15
Barium	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15
Beryllium	50.0	56.0	112	50.0	56.0	112	<1	75-125	<15
Cadmium	50.0	52.5	105	50.0	52.0	104	<1	75-125	<15
Chromium	50.0	50.5	101	50.0	50.0	100	<1	75-125	<15
Cobalt	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15
Copper	50.0	48.7	97.4	50.0	48.7	97.4	<1	75-125	<15
Lead	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15





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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
 Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1112162C3; Dup or Spiked Sample: 85246.21; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/14/2016;  
 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	
Mercury (By EPA 7471)	0.500	0.465	92.9	0.500	0.465	93.0	<1	75-125	<15	
Molybdenum	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Nickel	50.0	51.5	103	50.0	51.5	103	<1	75-125	<15	
Selenium	50.0	51.0	102	50.0	50.5	101	<1	75-125	<15	
Silver	50.0	51.5	103	50.0	51.0	102	<1	75-125	<15	
Thallium	50.0	51.0	102	50.0	51.0	102	<1	75-125	<15	
Vanadium	50.0	52.0	104	50.0	51.5	103	<1	75-125	<15	
Zinc	50.0	53.0	106	50.0	52.5	105	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 217

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB3; Dup or Spiked Sample: 85198.28; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
Aldrin	0.00	20.0	15.3	76.5	20.0	15.9	79.5	3.85	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	25.0	50.0	50.0	25.8	51.6	3.15	40-150	<40
Dieldrin	0.00	50.0	38.1	76.2	50.0	39.6	79.2	3.86	40-150	<40
Endrin	0.00	50.0	65.5	131	50.0	70.0	140	6.64	40-150	<40
Heptachlor	0.00	20.0	14.8	74.0	20.0	15.4	77.0	3.97	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	15.5	77.5	20.0	16.3	81.5	5.03	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	43.5	87.0	50.0	44.3	88.6	1.84	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	50.0	100	50.0	54.0	108	8.00	30-150	<40

QC Batch No: 111116EB3; Dup or Spiked Sample: 85198.28; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
Aldrin	20.0	12.3	61.5	20.0	16.5	82.5	29.2	50-150	<40
4,4'-DDT (DDT)	50.0	25.4	50.8	50.0	30.7	61.4	18.9	50-150	<40
Dieldrin	50.0	33.2	66.4	50.0	41.1	82.2	21.3	50-150	<40
Endrin	50.0	39.7	79.4	50.0	46.5	93.0	15.8	50-150	<40
Heptachlor	20.0	11.5	57.5	20.0	15.6	78.0	30.3	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	12.5	62.5	20.0	16.9	84.5	29.9	50-150	<40
<b>Surrogates</b>									
Decachlorobiphenyl	50.0	35.7	71.4	50.0	42.1	84.2	17.9	30-150	<40
Tetrachloro-m-xylene	50.0	34.0	68.0	50.0	52.0	104	52.9	30-150	<40



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### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB4; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/15/2016;  
 LCS Analyzed: 11/14/2016; Units: ug/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
Aldrin	0.00	20.0	16.9	84.5	20.0	15.3	76.5	9.94	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	61.4	123	50.0	55.8	112	9.36	40-150	<40
Dieldrin	0.00	50.0	44.0	88.0	50.0	39.7	79.4	10.3	40-150	<40
Endrin	0.00	50.0	71.3	143	50.0	64.9	130	9.52	40-150	<40
Heptachlor	0.00	20.0	15.9	79.5	20.0	13.9	69.5	13.4	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	17.2	86.0	20.0	15.2	76.0	12.3	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	48.5	97.0	50.0	46.2	92.4	4.74	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	52.3	105	50.0	48.3	96.6	8.00	30-150	<40

QC Batch No: 111116EB4; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/15/2016;  
 LCS Analyzed: 11/14/2016; Units: ug/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
Aldrin	20.0	16.1	80.5	20.0	12.8	64.0	22.8	50-150	<40
4,4'-DDT (DDT)	50.0	51.1	102	50.0	48.3	96.6	5.44	50-150	<40
Dieldrin	50.0	40.5	81.0	50.0	35.8	71.6	12.3	50-150	<40
Endrin	50.0	59.8	120	50.0	53.3	107	11.5	50-150	<40
Heptachlor	20.0	14.9	74.5	20.0	12.1	60.5	20.7	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.6	83.0	20.0	12.9	64.5	25.1	50-150	<40
<b>Surrogates</b>									
Decachlorobiphenyl	50.0	42.1	84.2	50.0	42.2	84.4	<1	30-150	<40
Tetrachloro-m-xylene	50.0	52.6	105	50.0	36.5	73.0	30.5	30-150	<40



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 219

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Bolstar (Sulprofos)	200	220	110	200	216	108	1.8	50-150	<40
Ethoprop	200	199	99.5	200	193	96.5	3.1	50-150	<40
Phorate (Phosphorodithioic acid)	200	159	79.5	200	155	77.5	2.5	50-150	<40
Ronnel	200	197	98.5	200	194	97.0	1.5	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	242	96.8	250	232	92.8	4.2	50-150	<40

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
Bolstar (Sulprofos)	200	206	103	200	196	98.0	5.0	50-150	<40
Ethoprop	200	216	108	200	208	104	3.8	50-150	<40
Phorate (Phosphorodithioic acid)	200	166	83.0	200	160	80.0	3.7	50-150	<40
Ronnel	200	196	98.0	200	189	94.5	3.6	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	260	104	250	250	100	3.9	50-150	<40



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URP #3

Telephone: (626)458-5100

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111416; Dup or Spiked Sample: 85282.03; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/15/2016;  
 Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Bolstar (Sulprofos)	200	143	71.5	200	149	74.5	4.1	50-150	<40
Ethoprop	200	160	80.0	200	161	80.5	<1	50-150	<40
Phorate (Phosphorodithioic acid)	200	124	62.0	200	125	62.5	<1	50-150	<40
Ronnel	200	139	69.5	200	144	72.0	3.5	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	198	79.2	250	200	80.0	1.0	50-150	<40

QC Batch No: 111416; Dup or Spiked Sample: 85282.03; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/15/2016;  
 Units: ug/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
Bolstar (Sulprofos)	200	151	75.5	200	161	80.5	6.4	50-150	<40
Ethoprop	200	172	86.0	200	178	89.0	3.4	50-150	<40
Phorate (Phosphorodithioic acid)	200	133	66.5	200	138	69.0	3.7	50-150	<40
Ronnel	200	150	75.0	200	157	78.5	4.6	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	218	87.2	250	226	90.4	3.6	50-150	<40



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/04/2016;  
 Units: ug/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
2,4-D	0.00	25.0	12.8	51.2	25.0	13.9	55.4	7.9	40-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	25.0	16.7	66.8	25.0	16.2	64.8	3.0	40-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	25.0	14.2	56.8	25.0	13.2	52.8	7.3	40-140	<40
<b>Surrogates</b>										
DCAA	0.00	50.0	32.8	65.6	50.0	29.2	58.4	11.6	40-140	<40

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/04/2016;  
 Units: ug/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	
2,4-D	25.0	17.9	71.6	25.0	17.7	70.8	1.1	50-140	<40	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	16.0	63.9	25.0	16.7	66.8	4.4	50-140	<40	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	17.1	68.4	25.0	17.4	69.6	1.7	50-140	<40	
<b>LCS</b>										
Dalapon	25.0	21.3	85.2	25.0	23.1	92.4	8.1	50-140	<40	
2,4-DB	25.0	16.6	66.4	25.0	16.9	67.6	1.8	50-140	<40	
Dicamba	25.0	17.1	68.4	25.0	15.9	63.6	7.3	50-140	<40	
Dichloroprop	25.0	16.5	66.0	25.0	28.5	114	53.3	50-140	<40	
MCPA	2,500	2,010	80.4	2,500	1,920	76.8	4.6	50-140	<40	
MCPP	2,500	1,370	54.8	2,500	2,040	81.6	39.3	50-140	<40	
2,4,5-TP	25.0	18.4	73.6	25.0	18.8	75.2	2.2	50-140	<40	
<b>Surrogates</b>										
DCAA	50.0	35.6	71.2	50.0	33.0	65.9	7.7	50-140	<40	



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 222

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111416; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/05/2016;  
 Units: ug/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
2,4-D	0.00	25.0	1.15 M	4.6	25.0	2.88 M	11.5	85.7	40-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	25.0	13.3	53.2	25.0	13.2	52.8	<1	40-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	25.0	1.50 M	6.0	25.0	0.625M	2.5	82.4	40-140	<40
<b>Surrogates</b>										
DCAA	0.00	50.0	10.0	20.0	50.0	9.10	18.2	9.4	40-140	<40

QC Batch No: 111416; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/05/2016;  
 Units: ug/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
2,4-D	25.0	21.3	85.2	25.0	21.2	84.8	<1	50-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	23.9	95.4	25.0	24.1	96.4	1.0	50-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	22.0	88.0	25.0	22.3	89.2	1.4	50-140	<40
<b>LCS</b>									
Dalapon	25.0	33.3	133	25.0	35.0	140	5.1	50-140	<40
2,4-DB	25.0	17.7	70.8	25.0	17.8	71.2	<1	50-140	<40
Dicamba	25.0	25.5	102	25.0	26.0	104	1.9	50-140	<40
Dichloroprop	25.0	26.0	104	25.0	25.5	102	1.9	50-140	<40
MCPA	2,500	2,780	111	2,500	2,460	98.4	12.0	50-140	<40
MCPP	2,500	1,960	78.4	2,500	2,070	82.8	5.5	50-140	<40
2,4,5-TP	25.0	26.0	104	25.0	26.3	105	<1	50-140	<40
<b>Surrogates</b>									
DCAA	50.0	44.6	89.2	50.0	47.8	95.6	6.9	50-140	<40



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URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A2; Dup or Spiked Sample: 85246.01; LCS: Clean Sand; QC Prepared: 11/12/2016; MS Analyzed: 11/13/2016;  
 LCS Analyzed: 11/12/2016; Units: ug/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
Benzene	0.00	50.0	34.7 M	69.4	50.0	34.3 M	68.6	1.16	75-125	<20
Chlorobenzene	0.00	50.0	36.6 M	73.2	50.0	36.2 M	72.4	1.10	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.9	89.8	50.0	40.6	81.2	10.1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	39.0	78.0	50.0	37.8	75.6	3.13	75-125	<20
Trichloroethene	0.00	50.0	49.4	98.8	50.0	49.0	98.0	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	43.2	86.4	50.0	42.3	84.6	2.11	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	48.2	96.3	50.0	50.5	101	4.88	75-125	<20
Dibromofluoromethane	0.00	50.0	50.0	99.9	50.0	47.9	95.8	4.10	75-125	<20
Toluene-d8	0.00	50.0	54.0	108	50.0	52.5	105	2.78	75-125	<20

QC Batch No: 1112162A2; Dup or Spiked Sample: 85246.01; LCS: Clean Sand; QC Prepared: 11/12/2016; MS Analyzed: 11/13/2016;  
 LCS Analyzed: 11/12/2016; Units: ug/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
Benzene	50.0	49.2	98.4	50.0	50.0	100	1.6	75-125	<20
Chlorobenzene	50.0	54.3	109	50.0	54.9	110	<1	75-125	<20
1,1-Dichloroethene	50.0	51.3	103	50.0	51.5	103	<1	75-125	<20
Toluene (Methyl benzene)	50.0	52.1	104	50.0	53.0	106	1.90	75-125	<20
Trichloroethene	50.0	50.6	101	50.0	52.3	105	3.88	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	54.0	108	50.0	54.7	109	<1	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	48.0	96.0	50.0	48.6	97.0	1.04	75-125	<20
Ethylbenzene	50.0	52.7	105	50.0	53.8	108	2.82	75-125	<20
1,1,1-Trichloroethane	50.0	47.4	94.8	50.0	48.0	96.0	1.26	75-125	<20
o-Xylene	50.0	51.9	104	50.0	53.2	106	1.90	75-125	<20
m,p-Xylenes	100	103	103	100	105	105	1.92	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	48.9	97.9	50.0	48.8	97.7	<1	75-125	<20
Dibromofluoromethane	50.0	48.9	97.8	50.0	49.3	98.6	<1	75-125	<20
Toluene-d8	50.0	49.8	99.6	50.0	50.3	101	1.41	75-125	<20





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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 224

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A1; Dup or Spiked Sample: 85246.23; LCS: Clean Sand; QC Prepared: 11/13/2016; QC Analyzed: 11/13/2016;  
 Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	46.9	93.8	50.0	45.2	90.4	3.69	75-125	<20	
Chlorobenzene	50.0	43.4	86.8	50.0	42.9	85.8	1.16	75-125	<20	
1,1-Dichloroethene	50.0	49.6	99.2	50.0	48.6	97.2	2.04	75-125	<20	
Toluene (Methyl benzene)	50.0	46.6	93.2	50.0	45.5	91.0	2.39	75-125	<20	
Trichloroethene	50.0	62.7	125	50.0	60.5	121	3.25	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	44.0	88.0	50.0	43.7	87.4	<1	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	49.4	98.7	50.0	48.6	97.2	1.52	75-125	<20	
Dibromofluoromethane	50.0	48.9	97.8	50.0	47.7	95.3	2.56	75-125	<20	
Toluene-d8	50.0	50.9	102	50.0	50.7	101	<1	75-125	<20	

QC Batch No: 1113162A1; Dup or Spiked Sample: 85246.23; LCS: Clean Sand; QC Prepared: 11/13/2016; QC Analyzed: 11/13/2016;  
 Units: ug/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	
Benzene	50.0	49.0	98.0	50.0	49.5	99.0	1.02	75-125	<20	
Chlorobenzene	50.0	53.0	106	50.0	54.0	108	1.87	75-125	<20	
1,1-Dichloroethene	50.0	52.6	105	50.0	47.3	95.0	10.0	75-125	<20	
Toluene (Methyl benzene)	50.0	52.5	105	50.0	52.5	105	<1	75-125	<20	
Trichloroethene	50.0	50.9	102	50.0	51.8	104	1.94	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	52.8	106	50.0	51.7	103	2.87	75-125	<20	
<b>LCS</b>										
Chloroform (Trichloromethane)	50.0	47.8	95.6	50.0	48.8	98.0	2.48	75-125	<20	
Ethylbenzene	50.0	53.0	106	50.0	53.2	106	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	48.4	96.8	50.0	49.1	98.0	1.23	75-125	<20	
o-Xylene	50.0	51.7	103	50.0	51.9	104	<1	75-125	<20	
m,p-Xylenes	100	102	102	100	104	104	1.94	75-125	<20	
<b>Surrogates</b>										
Bromofluorobenzene	50.0	49.3	98.6	50.0	49.5	98.9	<1	75-125	<20	
Dibromofluoromethane	50.0	48.3	96.5	50.0	49.4	98.8	2.38	75-125	<20	
Toluene-d8	50.0	50.8	102	50.0	51.0	102	<1	75-125	<20	



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1113162A2; LCS: Clean Sand; LCS Prepared: 11/13/2016; LCS Analyzed: 11/13/2016; Units: ug/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
Benzene	50.0	45.0	90.0	50.0	49.0	98.0	8.51	75-125	<20
Chlorobenzene	50.0	47.8	95.6	50.0	54.4	109	13.1	75-125	<20
1,1-Dichloroethene	50.0	44.2	88.4	50.0	50.9	102	14.3	75-125	<20
Toluene (Methyl benzene)	50.0	46.5	93.0	50.0	52.6	105	12.1	75-125	<20
Trichloroethene	50.0	45.5	91.0	50.0	51.0	102	11.4	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	47.6	95.2	50.0	51.6	103	7.87	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	43.5	87.0	50.0	48.1	96.0	9.84	75-125	<20
Ethylbenzene	50.0	47.6	95.2	50.0	53.4	107	11.7	75-125	<20
1,1,1-Trichloroethane	50.0	43.7	87.4	50.0	48.5	97.0	10.4	75-125	<20
o-Xylene	50.0	47.2	94.4	50.0	52.8	106	11.6	75-125	<20
m,p-Xylenes	100	92.6	92.6	100	103	103	10.6	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	47.6	95.3	50.0	48.5	96.9	1.68	75-125	<20
Dibromofluoromethane	50.0	48.0	96.0	50.0	48.4	96.7	<1	75-125	<20
Toluene-d8	50.0	48.6	97.2	50.0	51.1	102	4.94	75-125	<20



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/15/2016;  
 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
Acenaphthene	0.00	2.50	2.12	84.8	2.50	2.40	96.0	12.4	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	4.73	94.6	5.00	5.45	109	14.1	40-120	<20
2-Chlorophenol	0.00	5.00	4.05	81.0	5.00	4.62	92.4	13.1	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.98	79.2	2.50	2.24	89.6	12.3	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.34	93.6	2.50	2.55	102	8.6	25-120	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	2.18	87.2	2.50	2.43	97.2	10.8	41-116	<20
4-Nitrophenol	0.00	5.00	4.95	99.0	5.00	5.35	107	7.8	10-110	<20
Pentachlorophenol	0.00	5.00	4.86	97.2	5.00	5.65	113	15.0	40-125	<20
Phenol	0.00	5.00	3.72	74.4	5.00	4.21	84.2	12.4	12-89	<20
Pyrene	0.00	2.50	2.46	98.4	2.50	2.88	115	15.6	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	2.26	90.4	2.50	2.63	105	14.9	39-98	<20
<b>Surrogates</b>										
2-Fluorophenol	0.00	5.00	3.41	68.2	5.00	4.02	80.4	16.4	25-121	<20
2-Fluorobiphenyl	0.00	2.50	2.00	80.0	2.50	2.38	95.2	17.4	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.83	73.2	2.50	2.23	89.2	19.7	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.23	89.2	2.50	2.70	108	19.1	18-137	<20
Phenol-d6	0.00	5.00	3.49	69.8	5.00	4.16	83.2	17.5	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	4.21	84.2	5.00	4.94	98.8	16.0	19-122	<20

QC Batch No: 111116KB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/15/2016;  
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Acenaphthene	2.50	2.43	97.2	31-137
4-Chloro-3-methylphenol	5.00	5.35	107	40-120
2-Chlorophenol	5.00	4.67	93.4	25-102
1,4-Dichlorobenzene	2.50	2.26	90.4	28-104
2,4-Dinitrotoluene	2.50	2.70	108	25-120
N-Nitroso-Di-n-propylamine	2.50	2.48	99.2	41-126
4-Nitrophenol	5.00	5.05	101	11-114
Pentachlorophenol	5.00	5.80	116	17-125



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116KB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/15/2016;  
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	4.26	85.2	26-90						
Pyrene	2.50	2.80	112	35-142						
1,2,4-Trichlorobenzene	2.50	2.58	103	38-107						
<b>Surrogates</b>										
2-Fluorophenol	5.00	4.05	81.0	25-121						
2-Fluorobiphenyl	2.50	2.41	96.4	30-115						
Nitrobenzene-d5	2.50	2.20	88.0	23-120						
p-Terphenyl-D14	2.50	2.68	107	18-137						
Phenol-d6	5.00	4.13	82.6	24-113						
2,4,6-Tribromophenol	5.00	5.20	104	19-122						



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## QUALITY CONTROL RESULTS

### Ordered By

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 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 228

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1; Dup or Spiked Sample: 85282.03; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/16/2016;  
 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
Acenaphthene	0.00	2.50	2.37	94.8	2.50	2.36	94.4	<1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	4.67	93.4	5.00	4.56	91.2	2.4	39-98	<20
2-Chlorophenol	0.00	5.00	4.24	84.8	5.00	4.21	84.2	<1	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	2.15	86.0	2.50	2.22	88.8	3.2	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	2.10	84.0	2.50	2.21	88.4	5.1	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	2.42	96.8	2.50	2.35	94.0	2.9	41-116	<20
4-Nitrophenol	0.00	5.00	4.21	84.2	5.00	4.18	83.6	<1	10-110	<20
Pentachlorophenol	0.00	5.00	5.15	103	5.00	4.52	90.4	13.0	40-125	<20
Phenol	0.00	5.00	3.79	75.8	5.00	3.54	70.8	6.8	12-89	<20
Pyrene	0.00	2.50	2.93	117	2.50	3.15	126	7.4	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	2.08	83.2	2.50	2.19	87.6	5.2	39-98	<20
<b>Surrogates</b>										
2-Fluorophenol	0.00	5.00	4.28	85.6	5.00	4.18	83.6	2.4	25-121	<20
2-Fluorobiphenyl	0.00	2.50	2.65	106	2.50	2.60	104	1.9	30-115	<20
Nitrobenzene-d5	0.00	2.50	2.37	94.8	2.50	2.37	94.8	<1	23-120	<20
p-Terphenyl-D14	0.00	2.50	3.10	124	2.50	3.30	132	6.3	18-137	<20
Phenol-d6	0.00	5.00	4.32	86.4	5.00	4.10	82.0	5.2	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	5.75	115	5.00	5.60	112	2.6	19-122	<20

QC Batch No: 111416KB1; Dup or Spiked Sample: 85282.03; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/16/2016;  
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	2.50	2.31	92.4	31-137						
4-Chloro-3-methylphenol	5.00	5.00 M	100	40-99						
2-Chlorophenol	5.00	4.38	87.6	25-102						
1,4-Dichlorobenzene	2.50	2.14	85.6	28-104						
2,4-Dinitrotoluene	2.50	2.04	81.6	28-89						
N-Nitroso-Di-n-propylamine	2.50	2.37	94.8	41-126						
4-Nitrophenol	5.00	4.16	83.2	11-114						
Pentachlorophenol	5.00	5.35	107	17-125						



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111416KB1; Dup or Spiked Sample: 85282.03; LCS: Clean Sand; QC Prepared: 11/14/2016; QC Analyzed: 11/16/2016;  
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	3.97	79.4	26-90						
Pyrene	2.50	2.75	110	35-142						
1,2,4-Trichlorobenzene	2.50	2.53	101	38-107						
<b>Surrogates</b>										
2-Fluorophenol	5.00	3.38	67.6	25-121						
2-Fluorobiphenyl	2.50	2.28	91.2	30-115						
Nitrobenzene-d5	2.50	1.97	78.8	23-120						
p-Terphenyl-D14	2.50	2.55	102	18-137						
Phenol-d6	5.00	3.59	71.8	24-113						
2,4,6-Tribromophenol	5.00	4.98	99.6	19-122						



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 230

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 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
TPH as Diesel (C13-C22)	0.00	500	488	97.6	500	489	97.8	<1	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	75.2	75.2	100	83.3	83.3	10.8	75-125	<20

QC Batch No: 111116DB2; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 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
TPH as Diesel (C13-C22)	500	496	99.2	500	489	97.8	1.42	75-125	<20
<b>Surrogates</b>									
Chlorobenzene	100	87.5	87.5	100	87.1	87.1	<1	75-125	<20



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### Site

URP #3

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Page: 231

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB3; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
TPH as Diesel (C13-C22)	0.00	500	494	98.8	500	501	100	1.21	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	82.5	82.5	100	95.8	95.8	16.1	75-125	<20

QC Batch No: 111116DB3; Dup or Spiked Sample: 85246.24; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
TPH as Diesel (C13-C22)	500	521	104	500	543	109	4.69	75-125	<20
<b>Surrogates</b>									
Chlorobenzene	100	94.4	94.4	100	94.5	94.5	<1	75-125	<20





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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 232

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B2; Dup or Spiked Sample: 85246.01AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.820	82.0	1.00	0.792	79.2	3.47	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0441	88.2	0.0500	0.0452	90.4	2.49	75-125	<20

QC Batch No: 1111160B2; Dup or Spiked Sample: 85246.01AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.902	90.2	1.00	0.890	89.0	1.34	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	0.0500	0.0443	88.6	0.0500	0.0441	88.2	<1	75-125	<20



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 233

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 111116OB3; Dup or Spiked Sample: 85246.23AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/13/2016;  
 LCS Analyzed: 11/12/2016; 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.778	77.8	1.00	0.814	81.4	4.52	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0456	91.2	0.0500	0.0441	88.2	3.29	75-125	<20

QC Batch No: 111116OB3; Dup or Spiked Sample: 85246.23AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/13/2016;  
 LCS Analyzed: 11/12/2016; 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
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.881	88.1	1.00	0.875	87.5	<1	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	0.0500	0.0463	92.6	0.0500	0.0467	93.4	<1	75-125	<20



# LA Testing

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LA Testing Order: 321625225  
CustomerID: 32AETL21  
CustomerPO: 21719-Sub  
ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

Phone: (818) 845-8200  
Fax: (818) 845-8840  
Received: 11/11/16 2:50 PM  
Analysis Date: 11/14/2016  
Collected: 11/9/2016

**Burbank, CA 91504**

Project: 85246

## Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
85246-01 321625225-0001	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-02 321625225-0002	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-03 321625225-0003	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-04 321625225-0004	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-05 321625225-0005	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-06 321625225-0006	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-07 321625225-0007	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-08 321625225-0008	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-09 321625225-0009	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	

Analyst(s)

*Arturo Casas (8)*  
*Rosa Mendoza (16)*

Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/14/2016 13:21:38



# LA Testing

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 321625225

CustomerID: 32AETL21

CustomerPO: 21719-Sub

ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

**Burbank, CA 91504**

Phone: (818) 845-8200  
Fax: (818) 845-8840  
Received: 11/11/16 2:50 PM  
Analysis Date: 11/14/2016  
Collected: 11/9/2016

Project: 85246

## Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
85246-10 321625225-0010	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-11 321625225-0011	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-12 321625225-0012	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-13 321625225-0013	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-14 321625225-0014	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-15 321625225-0015	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-16 321625225-0016	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-17 321625225-0017	Soil	Brown Non-Fibrous Homogeneous	None Detected	
85246-18 321625225-0018	Soil	Brown Non-Fibrous Homogeneous	None Detected	

Analyst(s)

*Arturo Casas (8)*

*Rosa Mendoza (16)*

Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/14/2016 13:21:38

**LA Testing**

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 321625225

CustomerID: 32AETL21

CustomerPO: 21719-Sub

ProjectID:

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

**Burbank, CA 91504**

Project: 85246

Phone: (818) 845-8200  
 Fax: (818) 845-8840  
 Received: 11/11/16 2:50 PM  
 Analysis Date: 11/14/2016  
 Collected: 11/9/2016

**Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method**

Sample	Description	Appearance	Result	Notes
85246-19 321625225-0019	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-20 321625225-0020	Soil	Brown Non-Fibrous Homogeneous	<b>Chrysotile</b>	
85246-21 321625225-0021	Soil	Brown/Black Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-22 321625225-0022	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-23 321625225-0023	Soil	Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85246-24 321625225-0024	Soil	Tan Non-Fibrous Homogeneous	<b>None Detected</b>	

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Analyst(s)

Arturo Casas (8)

Rosa Mendoza (16)

Jerry Drapala Ph.D, Laboratory Manager  
 or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/14/2016 13:21:38



## American Environmental Testing Laboratory Inc.

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

### 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

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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 47  
Date Received 11/10/2016  
Date Reported 12/05/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: URP #3

Enclosed please find results of analyses of 24 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director





# American Environmental Testing Laboratory Inc.

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Page: 1 A

### Ordered By

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GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/17/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 24 samples with the following specification on 11/10/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85246.01	B2-1	11/09/2016	Soil	5
85246.02	B2-2	11/09/2016	Soil	5
85246.03	B2-3	11/09/2016	Soil	5
85246.04	B2-4	11/09/2016	Soil	5
85246.05	B2-5	11/09/2016	Soil	5
85246.06	B2-6	11/09/2016	Soil	5
85246.07	B2-7	11/09/2016	Soil	5
85246.08	B2-8	11/09/2016	Soil	5
85246.09	B2-9	11/09/2016	Soil	5
85246.10	B2-10	11/09/2016	Soil	5
85246.11	B2-11	11/09/2016	Soil	5
85246.12	B2-12	11/09/2016	Soil	5
85246.13	B2-13	11/09/2016	Soil	5
85246.14	B2-14	11/09/2016	Soil	5
85246.15	B2-15	11/09/2016	Soil	5
85246.16	B2-16	11/09/2016	Soil	5
85246.17	B2-17	11/09/2016	Soil	5
85246.18	B2-18	11/09/2016	Soil	5
85246.19	B2-19	11/09/2016	Soil	5
85246.20	B2-20	11/09/2016	Soil	5
85246.21	B2-21	11/09/2016	Soil	5
85246.22	B2-22	11/09/2016	Soil	5
85246.23	B2-23	11/09/2016	Soil	5
85246.24	B2-24	11/09/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
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Continued



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Page: 1 B

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/17/2016

Job Number	Order Date	Client
85246	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/14/2016	3	Rush	mg/Kg
(8081A)	11/14/2016	3	Rush	ug/Kg
(8082)	11/14/2016	3	Rush	ug/Kg
(8141A)	11/14/2016	3	Rush	ug/Kg
(8151A)	11/14/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/14/2016	3	Rush	ug/Kg
(8270C)	11/14/2016	3	Rush	mg/Kg
(8310)	11/14/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/14/2016	3	Rush	mg/Kg
(M8015G)	11/14/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/14/2016	3	Rush	Percent

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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**CHAIN OF CUSTODY RECORD**  
 No 91451

AETL JOB No. **85246**

Page 1 of 2

COMPANY: **LACODPLW** PROJECT MANAGER: **GREGORY SENNA**  
 COMPANY ADDRESS: **900 S. FREMONT AVE. ALHAMBRA, CA 91803** PHONE: **626.458.4923** FAX: **626.458.4913**  
 PROJECT NAME: **URP PIT #3** PROJECT #: **EF02414001**  
 SITE NAME AND ADDRESS: **URP PIT #3** PO#: **17CN-200328**

ANALYSIS REQUESTED												TEST INSTRUCTIONS & COMMENTS
VOCs	TRAC	SVOCs	CHS	OPAs	OPS	PAHs	PCBs	PFAS	OTHER	RESIDUES	OTHER	
X	X	X	X	X	X	X	X	X	X	X	X	*(2) PCBs 8082 PAHs 8310

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B2-1	85246.01	11/9/16	08:05	S	5/V	RELU
B2-2	85246.02		08:10			
B2-3	85246.03		08:25			
B2-4	85246.04		08:30			
B2-5	85246.05		08:35			
B2-6	85246.06		08:40			
B2-7	85246.07		09:05			
B2-8	85246.08		09:10			
B2-9	85246.09		09:20			
B2-10	85246.10		09:25			
B2-11	85246.11		09:50			
B2-12	85246.12		09:55			
B2-13	85246.13		10:20			
B2-14	85246.14		10:25			
B2-15	85246.15		10:45			

**SAMPLE RECEIPT - TO BE FILLED BY LABORATORY**

TOTAL NUMBER OF CONTAINERS: <b>75</b>	PROPERLY COOLED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	RELINQUISHED BY SAMPLER: <b>1.</b> Signature: <i>[Signature]</i> Printed Name: <b>GREGORY SENNA</b> Date: <b>11/9/16</b> Time: <b>17:00</b>	RELINQUISHED BY: <b>2.</b> Signature: <i>[Signature]</i> Printed Name: <b>RLM</b> Date: <b>11/16/16</b> Time: <b>16:50</b>	RELINQUISHED BY: <b>3.</b> Signature: <i>[Signature]</i> Printed Name: <b>[Signature]</b> Date: <b>11/10/16</b> Time: <b>07:00</b>
CUSTODY SEALS <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	RECEIVED BY: <b>1.</b> Signature: <i>[Signature]</i> Printed Name: <b>RLM</b> Date: <b>11/10/16</b> Time: <b>07:00</b>	RECEIVED BY: <b>2.</b> Signature: <i>[Signature]</i> Printed Name: <b>[Signature]</b> Date: <b>11/10/16</b> Time: <b>16:50</b>	RECEIVED BY LABORATORY: <b>3.</b> Signature: <i>[Signature]</i> Printed Name: <b>Christ. DerShaday</b> Date: <b>11/10/16</b> Time: <b>16:50</b>
RECEIVED IN GOOD COND <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	TURN AROUND TIME: <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> SAME DAY <input type="checkbox"/> NEXT DAY <input checked="" type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS DATA DELIVERABLE REQUIRED: <input type="checkbox"/> HARD COPY <input type="checkbox"/> PDF <input type="checkbox"/> GEOTRACKER (GLOBAL ID) <input type="checkbox"/> OTHER (PLEASE SPECIFY) _____		

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Oriainator





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
Our Lab I.D.			Method Blank			
Surrogates	%Rec.Limit		% Rec.			
Decachlorobiphenyl	30-150		59.0			
Tetrachloro-m-xylene	30-150		90.3			



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## ANALYTICAL RESULTS

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.01			
Client Sample I.D.		B2-1			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85246.01: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.01			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	73.3			
Tetrachloro-m-xylene	30-150	86.4			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 4

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

<b>Our Lab I.D.</b>			85246.02			
Client Sample I.D.			B2-2			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
<b>Our Lab I.D.</b>			85246.02			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Decachlorobiphenyl	30-150		60.6			
Tetrachloro-m-xylene	30-150		48.6			



# American Environmental Testing Laboratory Inc.

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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.03				
Client Sample I.D.		B2-3				
Date Sampled		11/09/2016				
Date Prepared		11/11/2016				
Preparation Method		3550B				
Date Analyzed		11/14/2016				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		5				
Analytes	MDL	PQL	Results			
Aroclor-1016 (PCB-1016)	125	250	ND			
Aroclor-1221 (PCB-1221)	125	250	ND			
Aroclor-1232 (PCB-1232)	125	250	ND			
Aroclor-1242 (PCB-1242)	125	250	ND			
Aroclor-1248 (PCB-1248)	125	250	ND			
Aroclor-1254 (PCB-1254)	125	250	ND			
Aroclor-1260 (PCB-1260)	125	250	ND			
Aroclor-1262 (PCB-1262)	125	250	ND			
Aroclor-1268 (PCB-1268)	125	250	ND			

*Comment(s):*

85246.03: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.03				
Surrogates	%Rec.Limit	% Rec.				
Decachlorobiphenyl	30-150	81.8				
Tetrachloro-m-xylene	30-150	92.9				





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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.04	85246.05			
Client Sample I.D.		B2-4	B2-5			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/11/2016	11/11/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/14/2016	11/14/2016			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		2	2			
Analytes	MDL	PQL	Results	Results		
Aroclor-1016 (PCB-1016)	50	100	ND	ND		
Aroclor-1221 (PCB-1221)	50	100	ND	ND		
Aroclor-1232 (PCB-1232)	50	100	ND	ND		
Aroclor-1242 (PCB-1242)	50	100	ND	ND		
Aroclor-1248 (PCB-1248)	50	100	ND	ND		
Aroclor-1254 (PCB-1254)	50	100	ND	ND		
Aroclor-1260 (PCB-1260)	50	100	ND	ND		
Aroclor-1262 (PCB-1262)	50	100	ND	ND		
Aroclor-1268 (PCB-1268)	50	100	ND	ND		

*Comment(s):*

85246.04: Analyzed under dilution due to matrix interference 85246.05: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.04	85246.05			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
Decachlorobiphenyl	30-150	65.4	49.8			
Tetrachloro-m-xylene	30-150	72.8	88.6			



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URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.06	85246.07	85246.08		
Client Sample I.D.		B2-6	B2-7	B2-8		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/11/2016	11/11/2016	11/11/2016		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		11/14/2016	11/14/2016	11/14/2016		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		5	5	5		
Analytes	MDL	PQL	Results	Results	Results	
Aroclor-1016 (PCB-1016)	125	250	ND	ND	ND	
Aroclor-1221 (PCB-1221)	125	250	ND	ND	ND	
Aroclor-1232 (PCB-1232)	125	250	ND	ND	ND	
Aroclor-1242 (PCB-1242)	125	250	ND	ND	ND	
Aroclor-1248 (PCB-1248)	125	250	ND	ND	ND	
Aroclor-1254 (PCB-1254)	125	250	ND	ND	ND	
Aroclor-1260 (PCB-1260)	125	250	166	ND	ND	
Aroclor-1262 (PCB-1262)	125	250	ND	ND	ND	
Aroclor-1268 (PCB-1268)	125	250	ND	ND	ND	

### Comment(s):

85246.06: Analyzed under dilution due to matrix interference 85246.07: Analyzed under dilution due to matrix interference 85246.08: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.06	85246.07	85246.08		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150	71.6	60.9	60.0		
Tetrachloro-m-xylene	30-150	92.4	73.3	82.0		



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.09			
Client Sample I.D.		B2-9			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		6			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	150	300	ND		
Aroclor-1221 (PCB-1221)	150	300	ND		
Aroclor-1232 (PCB-1232)	150	300	ND		
Aroclor-1242 (PCB-1242)	150	300	ND		
Aroclor-1248 (PCB-1248)	150	300	ND		
Aroclor-1254 (PCB-1254)	150	300	ND		
Aroclor-1260 (PCB-1260)	150	300	ND		
Aroclor-1262 (PCB-1262)	150	300	ND		
Aroclor-1268 (PCB-1268)	150	300	ND		

*Comment(s):*

85246.09: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.09			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	52.5			
Tetrachloro-m-xylene	30-150	88.3			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3

Our Lab I.D.		85246.06	85246.07	85246.08	85246.09	
Client Sample I.D.		B2-6	B2-7	B2-8	B2-9	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix		Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		5	5	5	5	
Analytes	MDL	PQL	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	125	250	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	125	250	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	125	250	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	125	250	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	125	250	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	125	250	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	125	250	166	ND	ND	ND
Aroclor-1262 (PCB-1262)	125	250	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	125	250	ND	ND	ND	ND

### Comment(s):

85246.06: Analyzed under dilution due to matrix interference 85246.07: Analyzed under dilution due to matrix interference 85246.08:

Analyzed under dilution due to matrix interference 85246.09: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.06	85246.07	85246.08	85246.09	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	71.6	60.9	60.0	52.5	
Tetrachloro-m-xylene	30-150	92.4	73.3	82.0	88.3	



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

<b>Our Lab I.D.</b>			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
<b>Our Lab I.D.</b>			Method Blank			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Decachlorobiphenyl	30-150		64.4			
Tetrachloro-m-xylene	30-150		70.0			



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URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.10			
Client Sample I.D.		B2-10			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85246.10: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.10			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	82.9			
Tetrachloro-m-xylene	30-150	101			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.11			
Client Sample I.D.		B2-11			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85246.11: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.11			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	74.2			
Tetrachloro-m-xylene	30-150	98.6			



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### Site

URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.12			
Client Sample I.D.		B2-12			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/14/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85246.12: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.12			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	71.0			
Tetrachloro-m-xylene	30-150	85.6			





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### Site

URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

<b>Our Lab I.D.</b>			85246.13			
Client Sample I.D.			B2-13			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/14/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
<b>Our Lab I.D.</b>			85246.13			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Decachlorobiphenyl	30-150		75.6			
Tetrachloro-m-xylene	30-150		83.8			



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### Site

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.14			
Client Sample I.D.		B2-14			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85246.14: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.14			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	76.2			
Tetrachloro-m-xylene	30-150	87.6			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.15			
Client Sample I.D.		B2-15			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85246.15: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.15			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	69.1			
Tetrachloro-m-xylene	30-150	83.2			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.16			
Client Sample I.D.		B2-16			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		5			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	125	250	ND		
Aroclor-1221 (PCB-1221)	125	250	ND		
Aroclor-1232 (PCB-1232)	125	250	ND		
Aroclor-1242 (PCB-1242)	125	250	ND		
Aroclor-1248 (PCB-1248)	125	250	ND		
Aroclor-1254 (PCB-1254)	125	250	ND		
Aroclor-1260 (PCB-1260)	125	250	ND		
Aroclor-1262 (PCB-1262)	125	250	ND		
Aroclor-1268 (PCB-1268)	125	250	ND		

*Comment(s):*

85246.16: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.16			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	65.8			
Tetrachloro-m-xylene	30-150	87.8			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.17			
Client Sample I.D.		B2-17			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85246.17: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.17			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	63.0			
Tetrachloro-m-xylene	30-150	89.2			



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.18	85246.19	85246.20	85246.21	85246.22	
Client Sample I.D.		B2-18	B2-19	B2-20	B2-21	B2-22	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/15/2016	11/15/2016	11/15/2016	11/15/2016	11/15/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		5	5	5	5	5	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	125	250	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	125	250	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	125	250	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	125	250	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	125	250	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	125	250	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	125	250	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	125	250	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	125	250	ND	ND	ND	ND	ND

### Comment(s):

85246.18: Analyzed under dilution due to matrix interference 85246.19: Analyzed under dilution due to matrix interference 85246.20: Analyzed under dilution due to matrix interference 85246.21: Analyzed under dilution due to matrix interference 85246.22: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.18	85246.19	85246.20	85246.21	85246.22
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	78.0	63.6	70.5	62.2	66.5
Tetrachloro-m-xylene	30-150	91.4	80.0	65.6	82.6	76.8



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

Our Lab I.D.		85246.23			
Client Sample I.D.		B2-23			
Date Sampled		11/09/2016			
Date Prepared		11/11/2016			
Preparation Method		3550B			
Date Analyzed		11/15/2016			
Matrix		Soil			
Units		ug/Kg			
Dilution Factor		2			
Analytes	MDL	PQL	Results		
Aroclor-1016 (PCB-1016)	50	100	ND		
Aroclor-1221 (PCB-1221)	50	100	ND		
Aroclor-1232 (PCB-1232)	50	100	ND		
Aroclor-1242 (PCB-1242)	50	100	ND		
Aroclor-1248 (PCB-1248)	50	100	ND		
Aroclor-1254 (PCB-1254)	50	100	ND		
Aroclor-1260 (PCB-1260)	50	100	ND		
Aroclor-1262 (PCB-1262)	50	100	ND		
Aroclor-1268 (PCB-1268)	50	100	ND		

*Comment(s):*

85246.23: Analyzed under dilution due to matrix interference

Our Lab I.D.		85246.23			
Surrogates	%Rec.Limit	% Rec.			
Decachlorobiphenyl	30-150	68.2			
Tetrachloro-m-xylene	30-150	96.0			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4

<b>Our Lab I.D.</b>			85246.24			
Client Sample I.D.			B2-24			
Date Sampled			11/09/2016			
Date Prepared			11/11/2016			
Preparation Method			3550B			
Date Analyzed			11/15/2016			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND			
<b>Our Lab I.D.</b>			85246.24			
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>			
Decachlorobiphenyl	30-150		74.8			
Tetrachloro-m-xylene	30-150		102			





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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/18/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.010	0.020	ND			
Benzo(a)pyrene	0.010	0.020	ND			
Benzo(b)fluoranthene	0.010	0.020	ND			
Benzo(k)fluoranthene	0.010	0.020	ND			
Chrysene	0.010	0.020	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND			
Acenaphthene	0.010	0.020	ND			
Acenaphthylene	0.010	0.020	ND			
Anthracene	0.010	0.020	ND			
Benzo(g,h,i)perylene	0.010	0.020	ND			
Fluoranthene	0.010	0.020	ND			
Fluorene	0.010	0.020	ND			
Naphthalene	0.010	0.020	ND			
Phenanthrene	0.010	0.020	ND			
Pyrene	0.010	0.020	ND			
Our Lab I.D.			Method Blank			
Surrogates	%Rec. Limit		% Rec.			
p-Terphenyl-D14	75-125		111			



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.	85246.01		
Client Sample I.D.	B2-1		
Date Sampled	11/09/2016		
Date Prepared	11/17/2016		
Preparation Method	3550B		
Date Analyzed	11/18/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	2		
Analytes	MDL	PQL	Results
Benzo(a)anthracene	0.020	0.040	ND
Benzo(a)pyrene	0.020	0.040	ND
Benzo(b)fluoranthene	0.020	0.040	ND
Benzo(k)fluoranthene	0.020	0.040	ND
Chrysene	0.020	0.040	ND
Dibenzo(a,h)anthracene	0.020	0.040	ND
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND
Acenaphthene	0.020	0.040	ND
Acenaphthylene	0.020	0.040	ND
Anthracene	0.020	0.040	ND
Benzo(g,h,i)perylene	0.020	0.040	ND
Fluoranthene	0.020	0.040	ND
Fluorene	0.020	0.040	ND
Naphthalene	0.020	0.040	ND
Phenanthrene	0.020	0.040	ND
Pyrene	0.020	0.040	ND

*Comment(s):*

85246.01: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.01				
Surrogates	%Rec.Limit	% Rec.				
p-Terphenyl-D14	75-125	98.3				



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85246.02			
Client Sample I.D.			B2-2			
Date Sampled			11/09/2016			
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/19/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.010	0.020	ND			
Benzo(a)pyrene	0.010	0.020	ND			
Benzo(b)fluoranthene	0.010	0.020	ND			
Benzo(k)fluoranthene	0.010	0.020	ND			
Chrysene	0.010	0.020	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND			
Acenaphthene	0.010	0.020	ND			
Acenaphthylene	0.010	0.020	ND			
Anthracene	0.010	0.020	ND			
Benzo(g,h,i)perylene	0.010	0.020	ND			
Fluoranthene	0.010	0.020	ND			
Fluorene	0.010	0.020	ND			
Naphthalene	0.010	0.020	ND			
Phenanthrene	0.010	0.020	ND			
Pyrene	0.010	0.020	ND			
Our Lab I.D.			85246.02			
Surrogates	%Rec. Limit		% Rec.			
p-Terphenyl-D14	75-125		95.3			



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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85246.03	85246.04	85246.05		
Client Sample I.D.			B2-3	B2-4	B2-5		
Date Sampled			11/09/2016	11/09/2016	11/09/2016		
Date Prepared			11/17/2016	11/17/2016	11/17/2016		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			11/19/2016	11/19/2016	11/19/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			2	2	2		
Analytes	MDL	PQL	Results	Results	Results		
Benzo(a)anthracene	0.020	0.040	ND	ND	ND		
Benzo(a)pyrene	0.020	0.040	0.108	0.0531	0.0404		
Benzo(b)fluoranthene	0.020	0.040	0.0697	0.0435	0.0368J		
Benzo(k)fluoranthene	0.020	0.040	0.0535	0.0395J	ND		
Chrysene	0.020	0.040	ND	ND	ND		
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND	ND	ND		
Acenaphthene	0.020	0.040	ND	ND	ND		
Acenaphthylene	0.020	0.040	ND	0.0475	ND		
Anthracene	0.020	0.040	ND	ND	ND		
Benzo(g,h,i)perylene	0.020	0.040	ND	ND	ND		
Fluoranthene	0.020	0.040	0.200	0.0739	0.0708		
Fluorene	0.020	0.040	ND	ND	ND		
Naphthalene	0.020	0.040	ND	ND	ND		
Phenanthrene	0.020	0.040	0.0979	0.0218J	ND		
Pyrene	0.020	0.040	0.164	0.0632	0.0635		
Our Lab I.D.			85246.03	85246.04	85246.05		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
p-Terphenyl-D14	75-125		113	138 S6	99.8		



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85246.06			
Client Sample I.D.			B2-6			
Date Sampled			11/09/2016			
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/19/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.010	0.020	0.249			
Benzo(a)pyrene	0.010	0.020	0.301			
Benzo(b)fluoranthene	0.010	0.020	0.176			
Benzo(k)fluoranthene	0.010	0.020	0.139			
Chrysene	0.010	0.020	0.189			
Dibenzo(a,h)anthracene	0.010	0.020	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND			
Acenaphthene	0.010	0.020	ND			
Acenaphthylene	0.010	0.020	ND			
Anthracene	0.010	0.020	0.0436			
Benzo(g,h,i)perylene	0.010	0.020	ND			
Fluoranthene	0.010	0.020	0.455			
Fluorene	0.010	0.020	ND			
Naphthalene	0.010	0.020	ND			
Phenanthrene	0.010	0.020	0.195			
Pyrene	0.010	0.020	0.381			
Our Lab I.D.			85246.06			
Surrogates	%Rec.Limit		% Rec.			
p-Terphenyl-D14	75-125		121			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.		85246.07	85246.08			
Client Sample I.D.		B2-7	B2-8			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/17/2016	11/17/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/19/2016	11/19/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		5	5			
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.050	0.100	ND	ND		
Benzo(a)pyrene	0.050	0.100	ND	ND		
Benzo(b)fluoranthene	0.050	0.100	ND	ND		
Benzo(k)fluoranthene	0.050	0.100	ND	ND		
Chrysene	0.050	0.100	ND	ND		
Dibenzo(a,h)anthracene	0.050	0.100	ND	ND		
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND	ND		
Acenaphthene	0.050	0.100	ND	ND		
Acenaphthylene	0.050	0.100	ND	ND		
Anthracene	0.050	0.100	ND	ND		
Benzo(g,h,i)perylene	0.050	0.100	ND	ND		
Fluoranthene	0.050	0.100	ND	ND		
Fluorene	0.050	0.100	ND	ND		
Naphthalene	0.050	0.100	ND	ND		
Phenanthrene	0.050	0.100	ND	ND		
Pyrene	0.050	0.100	ND	ND		

*Comment(s):*

85246.07: Analyzed under dilution due to matrix interference 85246.08: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.07	85246.08			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
p-Terphenyl-D14	75-125	88.5	94.5			





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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.			Method Blank			
Client Sample I.D.						
Date Sampled						
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/19/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.010	0.020	ND			
Benzo(a)pyrene	0.010	0.020	ND			
Benzo(b)fluoranthene	0.010	0.020	ND			
Benzo(k)fluoranthene	0.010	0.020	ND			
Chrysene	0.010	0.020	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND			
Acenaphthene	0.010	0.020	ND			
Acenaphthylene	0.010	0.020	ND			
Anthracene	0.010	0.020	ND			
Benzo(g,h,i)perylene	0.010	0.020	ND			
Fluoranthene	0.010	0.020	ND			
Fluorene	0.010	0.020	ND			
Naphthalene	0.010	0.020	ND			
Phenanthrene	0.010	0.020	ND			
Pyrene	0.010	0.020	ND			
Our Lab I.D.			Method Blank			
Surrogates	%Rec. Limit		% Rec.			
p-Terphenyl-D14	75-125		115			



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.	85246.09		
Client Sample I.D.	B2-9		
Date Sampled	11/09/2016		
Date Prepared	11/17/2016		
Preparation Method	3550B		
Date Analyzed	11/19/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	5		
Analytes	MDL	PQL	Results
Benzo(a)anthracene	0.050	0.100	ND
Benzo(a)pyrene	0.050	0.100	ND
Benzo(b)fluoranthene	0.050	0.100	ND
Benzo(k)fluoranthene	0.050	0.100	ND
Chrysene	0.050	0.100	ND
Dibenzo(a,h)anthracene	0.050	0.100	ND
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND
Acenaphthene	0.050	0.100	ND
Acenaphthylene	0.050	0.100	ND
Anthracene	0.050	0.100	ND
Benzo(g,h,i)perylene	0.050	0.100	ND
Fluoranthene	0.050	0.100	ND
Fluorene	0.050	0.100	ND
Naphthalene	0.050	0.100	ND
Phenanthrene	0.050	0.100	ND
Pyrene	0.050	0.100	ND

*Comment(s):*

85246.09: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.09				
Surrogates	%Rec.Limit	% Rec.				
p-Terphenyl-D14	75-125	81.8				



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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.		85246.10	85246.11			
Client Sample I.D.		B2-10	B2-11			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/17/2016	11/17/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/19/2016	11/19/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		2	2			
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.020	0.040	ND	ND		
Benzo(a)pyrene	0.020	0.040	ND	ND		
Benzo(b)fluoranthene	0.020	0.040	ND	ND		
Benzo(k)fluoranthene	0.020	0.040	ND	ND		
Chrysene	0.020	0.040	ND	ND		
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND		
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND	ND		
Acenaphthene	0.020	0.040	ND	ND		
Acenaphthylene	0.020	0.040	ND	ND		
Anthracene	0.020	0.040	ND	ND		
Benzo(g,h,i)perylene	0.020	0.040	ND	ND		
Fluoranthene	0.020	0.040	ND	ND		
Fluorene	0.020	0.040	ND	ND		
Naphthalene	0.020	0.040	ND	ND		
Phenanthrene	0.020	0.040	ND	ND		
Pyrene	0.020	0.040	ND	ND		

### Comment(s):

85246.10: Analyzed under dilution due to matrix interference 85246.11: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.10	85246.11			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
p-Terphenyl-D14	75-125	119	101			



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### Ordered By

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.			85246.12	85246.13		
Client Sample I.D.			B2-12	B2-13		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/17/2016	11/17/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/19/2016	11/19/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.010	0.020	ND	ND		
Benzo(a)pyrene	0.010	0.020	ND	ND		
Benzo(b)fluoranthene	0.010	0.020	ND	ND		
Benzo(k)fluoranthene	0.010	0.020	ND	ND		
Chrysene	0.010	0.020	ND	ND		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND		
Acenaphthene	0.010	0.020	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND		
Anthracene	0.010	0.020	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	ND	ND		
Fluoranthene	0.010	0.020	ND	ND		
Fluorene	0.010	0.020	ND	ND		
Naphthalene	0.010	0.020	ND	ND		
Phenanthrene	0.010	0.020	ND	ND		
Pyrene	0.010	0.020	ND	ND		
Our Lab I.D.			85246.12	85246.13		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		106	110		



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## ANALYTICAL RESULTS

### Ordered By

### Site

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URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.	85246.14		
Client Sample I.D.	B2-14		
Date Sampled	11/09/2016		
Date Prepared	11/17/2016		
Preparation Method	3550B		
Date Analyzed	11/19/2016		
Matrix	Soil		
Units	mg/Kg		
Dilution Factor	4		
Analytes	MDL	PQL	Results
Benzo(a)anthracene	0.040	0.080	ND
Benzo(a)pyrene	0.040	0.080	ND
Benzo(b)fluoranthene	0.040	0.080	ND
Benzo(k)fluoranthene	0.040	0.080	ND
Chrysene	0.040	0.080	ND
Dibenzo(a,h)anthracene	0.040	0.080	ND
Indeno(1,2,3-cd)pyrene	0.040	0.080	ND
Acenaphthene	0.040	0.080	ND
Acenaphthylene	0.040	0.080	ND
Anthracene	0.040	0.080	ND
Benzo(g,h,i)perylene	0.040	0.080	ND
Fluoranthene	0.040	0.080	ND
Fluorene	0.040	0.080	ND
Naphthalene	0.040	0.080	ND
Phenanthrene	0.040	0.080	ND
Pyrene	0.040	0.080	ND

### Comment(s):

85246.14: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.14				
Surrogates	%Rec.Limit	% Rec.				
p-Terphenyl-D14	75-125	87.0				





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## ANALYTICAL RESULTS

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### Site

URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.			85246.15			
Client Sample I.D.			B2-15			
Date Sampled			11/09/2016			
Date Prepared			11/17/2016			
Preparation Method			3550B			
Date Analyzed			11/19/2016			
Matrix			Soil			
Units			mg/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Benzo(a)anthracene	0.010	0.020	ND			
Benzo(a)pyrene	0.010	0.020	ND			
Benzo(b)fluoranthene	0.010	0.020	ND			
Benzo(k)fluoranthene	0.010	0.020	ND			
Chrysene	0.010	0.020	ND			
Dibenzo(a,h)anthracene	0.010	0.020	ND			
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND			
Acenaphthene	0.010	0.020	ND			
Acenaphthylene	0.010	0.020	ND			
Anthracene	0.010	0.020	ND			
Benzo(g,h,i)perylene	0.010	0.020	ND			
Fluoranthene	0.010	0.020	ND			
Fluorene	0.010	0.020	ND			
Naphthalene	0.010	0.020	ND			
Phenanthrene	0.010	0.020	ND			
Pyrene	0.010	0.020	ND			
Our Lab I.D.			85246.15			
Surrogates	%Rec. Limit		% Rec.			
p-Terphenyl-D14	75-125		103			



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.		85246.16	85246.17	85246.18		
Client Sample I.D.		B2-16	B2-17	B2-18		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/17/2016	11/17/2016	11/17/2016		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		11/19/2016	11/19/2016	11/19/2016		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		5	5	5		
Analytes	MDL	PQL	Results	Results	Results	
Benzo(a)anthracene	0.050	0.100	ND	ND	0.0935J	
Benzo(a)pyrene	0.050	0.100	ND	ND	0.0923J	
Benzo(b)fluoranthene	0.050	0.100	ND	ND	0.0781J	
Benzo(k)fluoranthene	0.050	0.100	ND	ND	ND	
Chrysene	0.050	0.100	ND	ND	0.0835J	
Dibenzo(a,h)anthracene	0.050	0.100	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND	ND	ND	
Acenaphthene	0.050	0.100	ND	ND	ND	
Acenaphthylene	0.050	0.100	ND	ND	ND	
Anthracene	0.050	0.100	ND	ND	ND	
Benzo(g,h,i)perylene	0.050	0.100	ND	ND	ND	
Fluoranthene	0.050	0.100	ND	ND	0.153	
Fluorene	0.050	0.100	ND	ND	ND	
Naphthalene	0.050	0.100	ND	ND	ND	
Phenanthrene	0.050	0.100	ND	ND	0.136	
Pyrene	0.050	0.100	ND	ND	0.146	

*Comment(s):*

85246.16: Analyzed under dilution due to matrix interference 85246.17: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.16	85246.17	85246.18		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
p-Terphenyl-D14	75-125	80.0	87.0	86.0		



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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP #3

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.		85246.19	85246.20			
Client Sample I.D.		B2-19	B2-20			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/17/2016	11/17/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/19/2016	11/19/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		2	2			
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.020	0.040	ND	0.533		
Benzo(a)pyrene	0.020	0.040	ND	0.628		
Benzo(b)fluoranthene	0.020	0.040	ND	0.600		
Benzo(k)fluoranthene	0.020	0.040	ND	0.341		
Chrysene	0.020	0.040	ND	0.337		
Dibenzo(a,h)anthracene	0.020	0.040	ND	ND		
Indeno(1,2,3-cd)pyrene	0.020	0.040	ND	0.631		
Acenaphthene	0.020	0.040	ND	ND		
Acenaphthylene	0.020	0.040	ND	ND		
Anthracene	0.020	0.040	ND	ND		
Benzo(g,h,i)perylene	0.020	0.040	ND	0.422		
Fluoranthene	0.020	0.040	ND	0.281		
Fluorene	0.020	0.040	ND	ND		
Naphthalene	0.020	0.040	ND	ND		
Phenanthrene	0.020	0.040	ND	0.0577		
Pyrene	0.020	0.040	ND	0.269		

### Comment(s):

85246.19: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.19	85246.20			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
p-Terphenyl-D14	75-125	99.0	117			



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 41

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.		85246.21	85246.22			
Client Sample I.D.		B2-21	B2-22			
Date Sampled		11/09/2016	11/09/2016			
Date Prepared		11/17/2016	11/17/2016			
Preparation Method		3550B	3550B			
Date Analyzed		11/19/2016	11/19/2016			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		5	5			
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.050	0.100	ND	ND		
Benzo(a)pyrene	0.050	0.100	ND	ND		
Benzo(b)fluoranthene	0.050	0.100	ND	ND		
Benzo(k)fluoranthene	0.050	0.100	ND	ND		
Chrysene	0.050	0.100	ND	ND		
Dibenzo(a,h)anthracene	0.050	0.100	ND	ND		
Indeno(1,2,3-cd)pyrene	0.050	0.100	ND	ND		
Acenaphthene	0.050	0.100	ND	ND		
Acenaphthylene	0.050	0.100	ND	ND		
Anthracene	0.050	0.100	ND	ND		
Benzo(g,h,i)perylene	0.050	0.100	ND	ND		
Fluoranthene	0.050	0.100	ND	ND		
Fluorene	0.050	0.100	ND	ND		
Naphthalene	0.050	0.100	ND	ND		
Phenanthrene	0.050	0.100	ND	ND		
Pyrene	0.050	0.100	ND	ND		

### Comment(s):

85246.21: Analyzed under dilution due to matrix interference 85246.22: Analyzed under dilution due to matrix interference



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

Our Lab I.D.		85246.21	85246.22			
Surrogates	%Rec.Limit	% Rec.	% Rec.			
p-Terphenyl-D14	75-125	91.5	82.5			



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 43

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2

Our Lab I.D.			85246.23	85246.24		
Client Sample I.D.			B2-23	B2-24		
Date Sampled			11/09/2016	11/09/2016		
Date Prepared			11/17/2016	11/17/2016		
Preparation Method			3550B	3550B		
Date Analyzed			11/19/2016	11/19/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.010	0.020	0.0300	ND		
Benzo(a)pyrene	0.010	0.020	0.0515	ND		
Benzo(b)fluoranthene	0.010	0.020	0.0365	ND		
Benzo(k)fluoranthene	0.010	0.020	0.0264	ND		
Chrysene	0.010	0.020	0.0289	ND		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	0.0442	ND		
Acenaphthene	0.010	0.020	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND		
Anthracene	0.010	0.020	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	0.0167J	ND		
Fluoranthene	0.010	0.020	0.0657	ND		
Fluorene	0.010	0.020	ND	ND		
Naphthalene	0.010	0.020	ND	ND		
Phenanthrene	0.010	0.020	0.0295	ND		
Pyrene	0.010	0.020	0.0588	ND		
Our Lab I.D.			85246.23	85246.24		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		105	112		





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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: **44**

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-3; Dup or Spiked Sample: 85246.13; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/22/2016;  
 Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	326	65.2	500	356	71.2	8.8	50-150	<20
Aroclor-1260 (PCB-1260)	0.00	500	449	89.8	500	530	106	16.5	50-150	<20
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	42.5	85.0	50.0	53.0	106	22.0	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	49.0	98.0	50.0	47.3	94.6	3.5	30-150	<20

QC Batch No: 111116-3; Dup or Spiked Sample: 85246.13; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/22/2016;  
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	525	105	50-150						
Aroclor-1260 (PCB-1260)	500	500	100	50-150						
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	51.5	103	30-150						
Tetrachloro-m-xylene	50.0	41.3	82.6	30-150						



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## QUALITY CONTROL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116-4; LCS: Clean Sand; LCS Prepared: 11/11/2016; LCS Analyzed: 11/22/2016; Units: ug/Kg

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Aroclor-1016 (PCB-1016)	500	369	73.8	500	386	77.2	4.5	50-150	<20	
Aroclor-1260 (PCB-1260)	500	525	105	500	560	112	6.5	50-150	<20	
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	66.0	132	50.0	66.0	132	<1	30-150	<20	
Tetrachloro-m-xylene	50.0	48.0	96.0	50.0	48.9	97.8	1.9	30-150	<20	



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## QUALITY CONTROL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 46

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.00	0.0500	0.0452	90.4	0.0500	0.0444	88.8	1.79	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0452	90.4	0.0500	0.0442	88.4	2.24	75-125	<20
Naphthalene	0.00	0.500	0.460	92.0	0.500	0.445	89.0	3.31	75-125	<20
<b>Surrogates</b>										
p-Terphenyl-D14	0.00	0.400	0.448	112	0.400	0.444	111	<1	75-125	<20

QC Batch No: 111716IB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.0500	0.0442	88.4	0.0500	0.0440	88.0	<1	75-125	<20
Benzo(a)pyrene	0.0500	0.0458	91.6	0.0500	0.0448	89.6	2.21	75-125	<20
Naphthalene	0.500	0.453	90.6	0.500	0.454	90.8	<1	75-125	<20
<b>LCS</b>									
Acenaphthene	0.500	0.435	87.0	0.500	0.430	86.0	1.16	75-125	<20
Acenaphthylene	1.00	0.914	91.4	1.00	0.903	90.3	1.21	75-125	<20
Anthracene	0.0500	0.0458	91.6	0.0500	0.0450	90.0	1.76	75-125	<20
Benzo(b)fluoranthene	0.100	0.0936	93.6	0.100	0.0906	90.6	3.26	75-125	<20
Benzo(g,h,i)perylene	0.100	0.0886	88.6	0.100	0.0856	85.6	3.44	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0471	94.2	0.0500	0.0458	91.6	2.80	75-125	<20
Chrysene	0.0500	0.0455	91.0	0.0500	0.0453	90.6	<1	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.0925	92.5	0.100	0.0982	98.2	5.98	75-125	<20
Fluoranthene	0.100	0.0886	88.6	0.100	0.0872	87.2	1.59	75-125	<20
Fluorene	0.100	0.0839	83.9	0.100	0.0832	83.2	<1	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0466	93.2	0.0500	0.0461	92.2	1.08	75-125	<20
Phenanthrene	0.0500	0.0451	90.2	0.0500	0.0445	89.0	1.34	75-125	<20
Pyrene	0.0500	0.0436	87.2	0.0500	0.0432	86.4	<1	75-125	<20
<b>Surrogates</b>									
p-Terphenyl-D14	0.400	0.452	113	0.400	0.448	112	<1	75-125	<20



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 47

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85246	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB2; Dup or Spiked Sample: 85246.13; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/19/2016;  
 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
Benzo(a)anthracene	0.00	0.0500	0.0482	96.4	0.0500	0.0426	85.2	12.3	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0467	93.4	0.0500	0.0425	85.0	9.42	75-125	<20
Naphthalene	0.00	0.500	0.454	90.8	0.500	0.409	81.8	10.4	75-125	<20
<b>Surrogates</b>										
p-Terphenyl-D14	0.00	0.400	0.448	112	0.400	0.436	109	2.68	75-125	<20

QC Batch No: 111716IB2; Dup or Spiked Sample: 85246.13; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/19/2016;  
 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
Benzo(a)anthracene	0.0500	0.0403	80.6	0.0500	0.0463	92.6	13.9	75-125	<20
Benzo(a)pyrene	0.0500	0.0437	87.4	0.0500	0.0467	93.4	6.64	75-125	<20
Naphthalene	0.500	0.438	87.6	0.500	0.459	91.8	4.68	75-125	<20
<b>LCS</b>									
Acenaphthene	0.500	0.420	84.0	0.500	0.448	89.6	6.45	75-125	<20
Acenaphthylene	1.00	0.906	90.6	1.00	0.949	94.9	4.64	75-125	<20
Anthracene	0.0500	0.0439	87.8	0.0500	0.0476	95.2	8.09	75-125	<20
Benzo(b)fluoranthene	0.100	0.0965	96.5	0.100	0.0975	97.5	1.03	75-125	<20
Benzo(g,h,i)perylene	0.100	0.0935	93.5	0.100	0.100	100	6.72	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0429	85.8	0.0500	0.0510	102	17.3	75-125	<20
Chrysene	0.0500	0.0415	83.0	0.0500	0.0476	95.2	13.7	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.0762	76.2	0.100	0.0916	91.6	18.4	75-125	<20
Fluoranthene	0.100	0.0884	88.4	0.100	0.0935	93.5	5.61	75-125	<20
Fluorene	0.100	0.0797	79.7	0.100	0.0857	85.7	7.26	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0444	88.8	0.0500	0.0492	98.4	10.3	75-125	<20
Phenanthrene	0.0500	0.0426	85.2	0.0500	0.0465	93.0	8.75	75-125	<20
Pyrene	0.0500	0.0389	77.8	0.0500	0.0438	87.6	11.9	75-125	<20
<b>Surrogates</b>									
p-Terphenyl-D14	0.400	0.420	105	0.400	0.484	121	15.2	75-125	<20



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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

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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 12  
Date Received 11/10/2016  
Date Reported 11/30/2016

Job Number	Order Date	Client
85471	11/23/2016	LACDPW

Project ID: EF02414001  
Project Name: URP PIT #3  
Site: URP #3

Enclosed please find results of analyses of 8 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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## CHAIN OF CUSTODY RECORD

No 91451

85476  
85246

Page 1 of 2

COMPANY <b>LACU DPLV</b>		PROJECT MANAGER <b>GREGORY SENNA</b>		AETL JOB No. <b>85246</b>												
COMPANY ADDRESS <b>900 S. FREMONT AVE. ALHAMBRA, CA 91803</b>		PHONE <b>626.458.4923</b> FAX <b>626.458.4913</b>		ANALYSIS REQUESTED												
PROJECT NAME <b>WRP P2T #3</b>		PROJECT # <b>EF02914001</b>		TEST INSTRUCTIONS & COMMENTS												
SITE NAME AND ADDRESS <b>WRP P2T #3</b>		PO # <b>17CN-ACC 328</b>		<p>* (8) - 11/23 RUSH ASAP</p> <p>85471.01 85471.02 85471.03 85471.04</p>												
SAMPLE ID	LAB ID	DATE	TIME			MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOCs	TPH-CC	SVCS	CIT-5	OP-5	OP-3	RESISTED	STLC/TECP (RAD)
1	B2-1	85246.01	11/29/16			08:05	S	5/V	RECU	X	X	X	X	X	X	
2	B2-2	85246.02				08:10										
3	B2-3	85246.03				08:25										
4	B2-4	85246.04				08:30									*	
5	B2-5	85246.05				08:35									*	
6	B2-6	85246.06				08:40									*	
7	B2-7	85246.07				08:05									*	
8	B2-8	85246.08				08:10										
9	B2-9	85246.09				09:20										
10	B2-10	85246.10				09:25										
11	B2-11	85246.11				09:50										
12	B2-12	85246.12				09:55										
13	B2-13	85246.13				10:20										
14	B2-14	85246.14		10:25												
15	B2-15	85246.15		10:45												
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:		RELINQUISHED BY:		RELINQUISHED BY:								
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED (Y/N/NA)		Signature:		Signature:		Signature:								
CUSTODY SEALS (Y/N/NA)		SAMPLES INTACT (Y/N/NA)		Printed Name:		Printed Name:		Printed Name:								
RECEIVED IN GOOD COND (Y/N)		SAMPLES ACCEPTED (Y/N)		Date:		Date:		Date:								
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY:		RECEIVED BY:		RECEIVED BY:								
<input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> RUSH		<input type="checkbox"/> HARD COPY		Signature:		Signature:		Signature:								
<input type="checkbox"/> SAME DAY		<input type="checkbox"/> PDF		Printed Name:		Printed Name:		Printed Name:								
<input type="checkbox"/> NEXT DAY		<input type="checkbox"/> GEOTRACKER (GLOBAL ID)		Date:		Date:		Date:								
<input checked="" type="checkbox"/> 2 DAYS		<input type="checkbox"/> OTHER (PLEASE SPECIFY)		Time:		Time:		Time:								
<input type="checkbox"/> 3 DAYS				Date:		Date:		Date:								

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## CHAIN OF CUSTODY RECORD

85471  
AETL JOB No. 85246

No 77584

Page 2 of 2

COMPANY <u>LACoDPW - CMED</u>	PROJECT MANAGER <u>GREGORY SENA</u>
COMPANY ADDRESS <u>900 S. FREMONT AVE. ALHAMBRA, CA 91803-1331</u>	PHONE <u>626.458.4923</u> FAX <u>626.458.4913</u>
PROJECT NAME <u>WRP PIT #3</u>	PROJECT # <u>EF02414001</u>
SITE NAME AND ADDRESS <u>WRP PIT #3</u>	PO # <u>PCW-200328</u>

ANALYSIS REQUESTED												TEST INSTRUCTIONS & COMMENTS
VOCs	SVOCs	CHS	OCPS	OP's	RESIDUAL	STC/TECP Lead	STC Copper					
X	X	X	X	X	X	*	*	85471.05				
						*	*	85471.06				
						*	*	85471.07				
						*	*	85471.08				

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				RELINQUISHED BY SAMPLER: Signature: _____ Printed Name: <u>GREGORY SENA</u> Date: <u>11/9/16</u> Time: <u>17:00</u>	1. RELINQUISHED BY: Signature: _____ Printed Name: <u>RLM</u> Date: <u>11/10/16</u> Time: <u>16:50</u>	2. RELINQUISHED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____	3. RELINQUISHED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____		
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED <input checked="" type="checkbox"/> Y / N / NA	CUSTODY SEALS <input checked="" type="checkbox"/> Y / N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y / N / NA	RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y / N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / N	TURN AROUND TIME			
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	RECEIVED BY: Signature: _____ Printed Name: <u>RLM</u> Date: <u>11/10/16</u> Time: <u>07:00</u>	1. RECEIVED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____	2. RECEIVED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____	3. RECEIVED BY: Signature: _____ Printed Name: <u>Christine Navshadaye</u> Date: <u>11/10/16</u> Time: <u>16:50</u>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

## Cyrus Razmara

---

**From:** Gregory Sena [GSENA@dpw.lacounty.gov]  
**Sent:** Wednesday, November 23, 2016 2:43 PM  
**To:** JIM LIN  
**Cc:** Ricardo Lopez-Maldonado; Gerald Goodman; Cyrus Razmara  
**Subject:** Request for STLC (Cu) and STLC/TCLP (Pb) - URP Pit #3

Jim,

Please see the following requested supplemental tests:

- Run STLC for Copper on the following Sample ID: B2-20 (Lab ID: 85246.20) **2-Day TAT**.
- Run STLC/TCLP for lead on the following Sample IDs: B2-3 (Lab ID: 85246.03), B2-4 (Lab ID: 85246.04), B2-5 (Lab ID: 85246.05), B2-6 (Lab ID: 85246.06), B2-16 (Lab ID: 85246.16), B2-17 (Lab ID: 85246.17), B2-18 (Lab ID: 85246.18), and B2-20 (Lab ID: 85246.20) **2-Day TAT**

Thank you.

**-Sena**

Best Regards,

**SENA, Gregory**  
**Engineering Geologist**  
GMED/GIU - 626.458.7926



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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/30/2016

Job Number	Order Date	Client
85471	11/23/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 8 samples with the following specification on 11/23/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
85471.01	B2-3	11/09/2016	Soil	5	
85471.02	B2-4	11/09/2016	Soil	5	
85471.03	B2-5	11/09/2016	Soil	5	
85471.04	B2-6	11/09/2016	Soil	5	
85471.05	B2-16	11/09/2016	Soil	5	
85471.06	B2-17	11/09/2016	Soil	5	
85471.07	B2-18	11/09/2016	Soil	5	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010/7000TCLP) ^ PB	11/24/2016	2	Rush	mg/L
	(6010B-STLC) ^ STLC-PB	11/24/2016	2	Rush	mg/L
85471.08	B2-20	11/09/2016	Soil	5	
	<b>Method ^ Submethod</b>	<b>Req Date</b>	<b>Priority</b>	<b>TAT</b>	<b>Units</b>
	(6010/7000TCLP) ^ PB	11/24/2016	2	Rush	mg/L
	(6010B-STLC) ^ STLC-CU	11/24/2016	2	Rush	mg/L
	(6010B-STLC) ^ STLC-PB	11/24/2016	2	Rush	mg/L

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

**Ordered By****Site**

LA County Dept. of Public Works  
GMED Materials Lab  
900 S. Fremont Ave, 4th Floor  
Alhambra, CA 91803-

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1128162C5

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			11/28/2016				
Preparation Method			1311				
Date Analyzed			11/30/2016				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead (TCLP)	0.05	0.10	ND				



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## ANALYTICAL RESULTS

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Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1128162C5

Our Lab I.D.		85471.01	85471.02	85471.03	85471.04	85471.05	
Client Sample I.D.		B2-3	B2-4	B2-5	B2-6	B2-16	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/28/2016	11/28/2016	11/28/2016	11/28/2016	11/28/2016	
Preparation Method		1311	1311	1311	1311	1311	
Date Analyzed		11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	mg/L	
Dilution Factor		10	10	10	10	10	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead (TCLP)	0.50	1.00	ND	1.66	ND	ND	ND

### Comment(s):

85471.01: Analyzed under dilution due to matrix interference 85471.03: Analyzed under dilution due to matrix interference 85471.04: Analyzed under dilution due to matrix interference 85471.05: Analyzed under dilution due to matrix interference



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### Ordered By

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Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1128162C5

Our Lab I.D.		85471.06	85471.07	85471.08		
Client Sample I.D.		B2-17	B2-18	B2-20		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/28/2016	11/28/2016	11/28/2016		
Preparation Method		1311	1311	1311		
Date Analyzed		11/30/2016	11/30/2016	11/30/2016		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		10	10	10		
Analytes	MDL	PQL	Results	Results	Results	
Lead (TCLP)	0.50	1.00	ND	ND	ND	

### Comment(s):

85471.06: Analyzed under dilution due to matrix interference 85471.07: Analyzed under dilution due to matrix interference 85471.08: Analyzed under dilution due to matrix interference



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Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			11/28/2016				
Preparation Method			TITLE 22				
Date Analyzed			11/30/2016				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Copper	0.01	0.05	ND				



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## ANALYTICAL RESULTS

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**Site**

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4

<b>Our Lab I.D.</b>			<b>85471.08</b>				
Client Sample I.D.			B2-20				
Date Sampled			11/09/2016				
Date Prepared			11/28/2016				
Preparation Method			TITLE 22				
Date Analyzed			11/30/2016				
Matrix			Soil				
Units			mg/L				
Dilution Factor			10				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Copper	0.10	0.50	1.02				





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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 7

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4

<b>Our Lab I.D.</b>			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			11/28/2016				
Preparation Method			TITLE 22				
Date Analyzed			11/30/2016				
Matrix			Soil				
Units			mg/L				
Dilution Factor			1				
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>				
Lead (STLC)	0.05	0.10	ND				



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**Site**

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 8

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4

Our Lab I.D.		85471.01	85471.02	85471.03	85471.04	85471.05	
Client Sample I.D.		B2-3	B2-4	B2-5	B2-6	B2-16	
Date Sampled		11/09/2016	11/09/2016	11/09/2016	11/09/2016	11/09/2016	
Date Prepared		11/28/2016	11/28/2016	11/28/2016	11/28/2016	11/28/2016	
Preparation Method		TITLE 22	TITLE 22	TITLE 22	TITLE 22	TITLE 22	
Date Analyzed		11/30/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	mg/L	
Dilution Factor		10	10	10	10	10	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead (STLC)	0.50	1.00	2.27	12.4	2.70	3.65	1.44



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## ANALYTICAL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 9

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4

Our Lab I.D.		85471.06	85471.07	85471.08		
Client Sample I.D.		B2-17	B2-18	B2-20		
Date Sampled		11/09/2016	11/09/2016	11/09/2016		
Date Prepared		11/28/2016	11/28/2016	11/28/2016		
Preparation Method		TITLE 22	TITLE 22	TITLE 22		
Date Analyzed		11/30/2016	11/30/2016	11/30/2016		
Matrix		Soil	Soil	Soil		
Units		mg/L	mg/L	mg/L		
Dilution Factor		10	10	10		
Analytes	MDL	PQL	Results	Results	Results	
Lead (STLC)	0.50	1.00	1.69	5.31	2.87	



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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 10

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010/7000TCLP), Toxicity Characteristic Leaching Procedure (TCLP,EPA 1311)

QC Batch No: 1128162C5; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (TCLP)	ND	ND	<1	<20						

QC Batch No: 1128162C5; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

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 (TCLP)	10.0	8.88	88.8	10.0	8.87	88.7	<1	80-120	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 11

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Copper	1.02	1.02	<1	<20						

QC Batch No: 1128162C4; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

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	
Copper	10.0	8.95	89.5	10.0	8.85	88.5	1.1	80-120	<20	



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## QUALITY CONTROL RESULTS

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### Site

URP #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 12

Project ID: EF02414001

Project Name: URP PIT #3

AETL Job Number	Submitted	Client
85471	11/10/2016	LACDPW

Method: (6010B-STLC), Soluble Threshold Limit Concentration (STLC)

QC Batch No: 1128162C4; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Lead (STLC)	2.27	2.42	6.4	<20						

QC Batch No: 1128162C4; Dup or Spiked Sample: 85471.01; LCS: Clean Sand; LCS Prepared: 11/28/2016; LCS Analyzed: 11/30/2016;  
 Units: mg/L

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 (STLC)	10.0	8.84	88.4	10.0	8.76	87.6	<1	80-120	<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

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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 43  
Date Received 11/10/2016  
Date Reported 11/15/2016

Job Number	Order Date	Client
85245	11/10/2016	LACDPW

Project ID: EF02414001  
Project Name: URP Pit #3  
Site: URP PIT #3

Enclosed please find results of analyses of 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Attachment: 2 pages

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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## CHAIN OF CUSTODY RECORD

No 98664

AETL JOB No. 85245

Page 1 of 1

COMPANY <b>LAC DPW</b>	PROJECT MANAGER <b>RLM / Greg Sena</b>
COMPANY ADDRESS <b>900 S. Fremont Ave. Alhambra, CA 91803</b>	PHONE <b>626.458.4923</b>
PROJECT NAME <b>URP Pit #3</b>	PROJECT # <b>EFO2414001</b>
SITE NAME AND ADDRESS <b>URP Pit #3</b>	PO # <b>17CU-A00328</b>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOCs	TPH-CC	SVOCs	CHs	PCPs	OPs	Asbestos	
B2-25	85245.01	11/10/16	08:40/08:50	S	SLV	100/10	X	X	X	X	X	X	X	
B3-1	85245.02		13:25											
B3-2	85245.03		13:20											
B3-3	85245.04		13:35											
B3-4	85245.05		13:45											
B3-5	85245.06		13:50											
B3-6	85245.07		13:55											
B3-7	85245.08		14:00											

<b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b>				RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
TOTAL NUMBER OF CONTAINERS <b>40</b>	PROPERLY COOLED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	SAMPLER SIGNATURE: <i>[Signature]</i>		SAMPLER SIGNATURE: <i>[Signature]</i>	SAMPLER SIGNATURE: <i>[Signature]</i>	
CUSTODY SEALS <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	SAMPLES INTACT <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / NA	PRINTED NAME: <b>RLM</b>		PRINTED NAME: _____	PRINTED NAME: _____	
RECEIVED IN GOOD COND. <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	SAMPLES ACCEPTED <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	DATE: <b>11/10/16</b> TIME: <b>1650</b>		DATE: _____ TIME: _____	DATE: _____ TIME: _____	
<b>TURN AROUND TIME</b>		<b>DATA DELIVERABLE REQUIRED</b>		RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	SIGNATURE: <i>[Signature]</i>	SIGNATURE: <i>[Signature]</i>	SIGNATURE: <i>[Signature]</i>
<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	PRINTED NAME: _____	PRINTED NAME: _____	PRINTED NAME: _____
<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS			DATE: _____ TIME: _____	DATE: _____ TIME: _____	DATE: <b>11/10/16</b> TIME: <b>1650</b>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/15/2016

Job Number	Order Date	Client
85245	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 8 samples with the following specification on 11/10/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85245.01	B2-25	11/10/2016	Soil	5
85245.02	B3-1	11/10/2016	Soil	5
85245.03	B3-2	11/10/2016	Soil	5
85245.04	B3-3	11/10/2016	Soil	5
85245.05	B3-4	11/10/2016	Soil	5
85245.06	B3-5	11/10/2016	Soil	5
85245.07	B3-6	11/10/2016	Soil	5
85245.08	B3-7	11/10/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/14/2016	3	Rush	mg/Kg
(8081A)	11/14/2016	3	Rush	ug/Kg
(8141A)	11/14/2016	3	Rush	ug/Kg
(8151A)	11/14/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/14/2016	3	Rush	ug/Kg
(8270C)	11/14/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/14/2016	3	Rush	mg/Kg
(M8015G)	11/14/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/14/2016	3	Rush	Percent

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: 

Cyrus Razmara, Ph.D.  
Laboratory Director



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 3

Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 4

Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Client Sample I.D.			B2-25	B3-1	B3-2	B3-3	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared		11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Preparation Method		5030	5035A	5035A	5035A	5035A	
Date Analyzed		11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	ND
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	86.0	106	101	103	104	
Dibromofluoromethane	75-125	116	118	118	120	118	
Toluene-d8	75-125	106	103	105	106	105	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	1.08J	1.39J	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

Page: 6

Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	1.86J	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
tert-Butyl alcohol (TBA)	20	500	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	2.0	10.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	100	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	2.0	10.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	2.0	10.0	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		102	102	103	106	
Dibromofluoromethane	75-125		106	116	116	119	
Toluene-d8	75-125		106	106	104	105	



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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B1

<b>Our Lab I.D.</b>			Method Blank	<b>85245.01</b>	<b>85245.02</b>	<b>85245.03</b>	<b>85245.04</b>
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
<b>Our Lab I.D.</b>			Method Blank	<b>85245.01</b>	<b>85245.02</b>	<b>85245.03</b>	<b>85245.04</b>
<b>Surrogates</b>	<b>%Rec.Limit</b>		<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>	<b>% Rec.</b>
Bromofluorobenzene	75-125		95.8	99.6	94.4	96.6	101



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### Site

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		98.6	98.2	100	96.2	



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Telephone: (626)458-5100

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Client Sample I.D.			B2-25	B3-1	B3-2	B3-3	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
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
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	92.8	90.9	97.4	94.7	94.2	



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URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		94.8	95.5	93.3	91.3	



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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Client Sample I.D.			B2-25	B3-1	B3-2	B3-3	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	
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
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
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
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Client Sample I.D.			B2-25	B3-1	B3-2	B3-3	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016	
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
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121	63.4	53.8	52.8	57.6	50.2	
2-Fluorobiphenyl	30-115	75.2	64.0	60.0	69.6	62.0	
Nitrobenzene-d5	23-120	74.4	61.2	59.6	66.0	60.8	
Phenol-d6	21-113	69.2	55.8	56.2	61.2	54.0	
p-Terphenyl-D14	18-137	96.0	75.0	74.8	87.6	79.2	
2,4,6-Tribromophenol	19-122	78.8	58.4	64.0	72.6	65.0	





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acenaphthene	0.25	0.50	ND	ND	ND	ND	
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	
Anthracene	0.25	0.50	ND	ND	ND	ND	
Azobenzene	0.25	0.50	ND	ND	ND	ND	
Benzidine	0.25	0.50	ND	ND	ND	ND	
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Chrysene	0.25	0.50	ND	ND	ND	ND	
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	
Di-n-octyl phthalate (Diocetyl ester)	0.25	0.50	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	
Fluoranthene	0.25	0.50	ND	ND	ND	ND	
Fluorene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	
Isophorone	0.25	0.50	ND	ND	ND	ND	
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	
Naphthalene	0.25	0.50	ND	ND	ND	ND	
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
 Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	
Phenanthrene	0.25	0.50	ND	ND	ND	ND	
Phenol	0.25	0.50	ND	ND	ND	ND	
Pyrene	0.25	0.50	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
2-Fluorophenol	25-121		53.8	52.8	53.8	49.4	
2-Fluorobiphenyl	30-115		65.2	64.0	65.2	63.2	
Nitrobenzene-d5	23-120		60.0	60.8	64.4	60.8	
Phenol-d6	21-113		55.4	54.2	57.6	52.4	
p-Terphenyl-D14	18-137		78.8	76.0	79.2	76.4	
2,4,6-Tribromophenol	19-122		67.2	64.6	66.2	59.8	



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## ANALYTICAL RESULTS

### Ordered By

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 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB1

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/11/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aldrin	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (Total)	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (alpha)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDE (DDE)	1.0	2.0	ND	ND	ND	ND	ND
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	ND	ND
Dieldrin	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	ND
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	ND
Endrin	1.0	2.0	ND	ND	ND	ND	ND
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	ND
Endrin ketone	1.0	2.0	ND	ND	ND	ND	ND
Chlordane (gamma)	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor	1.0	2.0	ND	ND	ND	ND	ND
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	ND
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	ND
Methoxychlor	5.0	10.0	ND	ND	ND	ND	ND
Toxaphene	85.0	170.0	ND	ND	ND	ND	ND



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### ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Decachlorobiphenyl	30-150	91.8	102	99.6	99.0	92.8
Tetrachloro-m-xylene	30-150	67.2	107	101	100	97.8



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 20

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	ND	2.71	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	1.50J	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	1.16J	ND	ND	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	2.70	ND	
Dieldrin	1.0	2.0	ND	ND	2.86	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	1.10J	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	1.21J	ND	
Heptachlor	1.0	2.0	ND	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	ND	
beta-Hexachlorocyclohexane (Beta-BHC)	1.0	2.0	ND	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	ND	
Toxaphene	85.0	170.0	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.		85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	94.6	103	104	100	
Tetrachloro-m-xylene	30-150	92.2	103	98.8	102	



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 22

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Azinphos-methyl	50	50	ND	ND	ND	ND	ND
Bolstar (Sulprofos)	50	50	ND	ND	ND	ND	ND
Chlorpyrifos (Dursban)	50	50	ND	ND	ND	ND	ND
Coumaphos	50	50	ND	ND	ND	ND	ND
Demeton-O & S	50	50	ND	ND	ND	ND	ND
Diazinon	50	50	ND	ND	ND	ND	ND
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND	ND	ND	ND
Disulfoton	50	50	ND	ND	ND	ND	ND
Ethoprop	50	50	ND	ND	ND	ND	ND
Fensulfothion	50	50	ND	ND	ND	ND	ND
Fenthion	50	50	ND	ND	ND	ND	ND
Malathion	50	50	ND	ND	ND	ND	ND
Merphos	50	50	ND	ND	ND	ND	ND
Methyl parathion (Parathion methyl)	50	50	ND	ND	ND	ND	ND
Mevinphos	100	100	ND	ND	ND	ND	ND
Naled	100	100	ND	ND	ND	ND	ND
Phorate (Phosphorodithioic acid)	50	50	ND	ND	ND	ND	ND
Ronnel	50	50	ND	ND	ND	ND	ND
Tetrachlorvinphos (Stirophos)	50	50	ND	ND	ND	ND	ND
Tokuthion (Prothiofos)	50	50	ND	ND	ND	ND	ND
Trichloronate	50	50	ND	ND	ND	ND	ND





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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Tributylphosphate	52-129	110	81.9	71.2	78.6	70.4



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## ANALYTICAL RESULTS

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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 24

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Azinphos-methyl	50	50	ND	ND	ND	ND	
Bolstar (Sulprofos)	50	50	ND	ND	ND	ND	
Chloropyrifos (Dursban)	50	50	ND	ND	ND	ND	
Coumaphos	50	50	ND	ND	ND	ND	
Demeton-O & S	50	50	ND	ND	ND	ND	
Diazinon	50	50	ND	ND	ND	ND	
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND	ND	ND	
Disulfoton	50	50	ND	ND	ND	ND	
Ethoprop	50	50	ND	ND	ND	ND	
Fensulfothion	50	50	ND	ND	ND	ND	
Fenthion	50	50	ND	ND	ND	ND	
Malathion	50	50	ND	ND	ND	ND	
Merphos	50	50	ND	ND	ND	ND	
Methyl parathion (Parathion methyl)	50	50	ND	ND	ND	ND	
Mevinphos	100	100	ND	ND	ND	ND	
Naled	100	100	ND	ND	ND	ND	
Phorate (Phosphorodithioic acid)	50	50	ND	ND	ND	ND	
Ronnel	50	50	ND	ND	ND	ND	
Tetrachlorvinphos (Stirophos)	50	50	ND	ND	ND	ND	
Tokuthion (Prothiofos)	50	50	ND	ND	ND	ND	
Trichloronate	50	50	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.		85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Tributylphosphate	52-129	61.8	66.0	56.3	60.4	



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## ANALYTICAL RESULTS

### Ordered By

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 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acifluorfen	20	20	ND	ND	ND	ND	ND
Bentazon	10	10	ND	ND	ND	ND	ND
Chloramben	10	10	ND	ND	ND	ND	ND
2,4-D	10	10	ND	ND	ND	ND	ND
Dalapon	20	20	ND	ND	ND	ND	ND
2,4-DB	10	10	ND	ND	ND	ND	ND
DCPA diacid	20	20	ND	ND	ND	ND	ND
Dicamba	10	10	ND	ND	ND	ND	ND
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	ND
Dichloroprop	10	10	ND	ND	ND	ND	ND
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	ND
MCPA	2000	2000	ND	ND	ND	ND	ND
MCPP	2000	2000	ND	ND	ND	ND	ND
4-Nitrophenol	10	10	ND	ND	ND	ND	ND
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	ND
Picloram	10	10	ND	ND	ND	ND	ND
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	ND
2,4,5-TP	10	10	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
DCAA	40-150	79.2	79.2	79.2	79.2	79.2



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## ANALYTICAL RESULTS

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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/14/2016	11/14/2016	11/14/2016	11/14/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acifluorfen	20	20	ND	ND	ND	ND	
Bentazon	10	10	ND	ND	ND	ND	
Chloramben	10	10	ND	ND	ND	ND	
2,4-D	10	10	ND	ND	ND	ND	
Dalapon	20	20	ND	ND	ND	ND	
2,4-DB	10	10	ND	ND	ND	ND	
DCPA diacid	20	20	ND	ND	ND	ND	
Dicamba	10	10	ND	ND	ND	ND	
3,5-Dichlorobenzoic acid	10	10	ND	ND	ND	ND	
Dichloroprop	10	10	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4,6-dinitrophenol)	20	20	ND	ND	ND	ND	
MCPA	2000	2000	ND	ND	ND	ND	
MCPP	2000	2000	ND	ND	ND	ND	
4-Nitrophenol	10	10	ND	ND	ND	ND	
Pentachlorophenol (PCP)	10	10	ND	ND	ND	ND	
Picloram	10	10	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND	ND	ND	
2,4,5-TP	10	10	ND	ND	ND	ND	



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## ANALYTICAL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

Our Lab I.D.		85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
DCAA	40-150	79.2	79.2	79.2	79.2	



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## ANALYTICAL RESULTS

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### Site

URP PIT #3

Telephone: (626)458-5100

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Page: 30

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1111162C6

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	11/12/2016
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
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	5.48	ND	ND	2.32J
Barium	2.5	5.0	ND	81.1	41.1	40.3	56.5
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	7.77	11.8	10.1	12.5
Cobalt	2.5	5.0	ND	5.03	7.74	6.66	8.17
Copper	2.5	5.0	ND	13.3	21.9	18.9	23.3
Lead	2.5	5.0	ND	2.98J	4.02J	4.29J	6.21
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.123J	ND	0.150J
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	6.44	7.47	6.68	8.25
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	17.5	31.0	27.0	31.8
Zinc	2.5	5.0	ND	25.2	39.7	33.4	46.8





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## ANALYTICAL RESULTS

### Ordered By

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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1111162C6

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			11/12/2016	11/12/2016	11/12/2016	11/12/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	3.04J	3.31J	2.82J	2.82J	
Barium	2.5	5.0	68.5	73.6	72.6	79.6	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	13.6	15.8	14.0	14.4	
Cobalt	2.5	5.0	8.50	9.92	6.94	6.64	
Copper	2.5	5.0	25.4	31.8	15.6	16.6	
Lead	2.5	5.0	7.09	12.5	5.83	3.46J	
Mercury (By EPA 7471)	0.1	0.2	ND	0.101J	ND	ND	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	9.85	10.9	7.96	11.2	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	34.0	37.3	28.6	22.9	
Zinc	2.5	5.0	52.4	69.9	42.8	31.3	



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## ANALYTICAL RESULTS

### Ordered By

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 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 32

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85245.01	85245.02	85245.03	85245.04	85245.05
Client Sample I.D.		B2-25	B3-1	B3-2	B3-3	B3-4
Date Sampled		11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
Preparation Method		600R93116	600R93116	600R93116	600R93116	600R93116
Date Analyzed		11/14/2016	11/14/2016	11/14/2016	11/14/2016	11/14/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		Percent	Percent	Percent	Percent	Percent
Dilution Factor		1	1	1	1	1
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>
Asbestos, Total	1.0	1.0	ND	ND	ND	ND



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## ANALYTICAL RESULTS

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Telephone: (626)458-5100

Attn: Gregory Sena

Page: 33

Project ID: EF02414001

Project Name: URP Pit #3

### Site

URP PIT #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: EPA-600R-93/116, Asbestos by Polarized Light Microscopy Analysis (PLM)

Our Lab I.D.		85245.06	85245.07	85245.08		
Client Sample I.D.		B3-5	B3-6	B3-7		
Date Sampled		11/10/2016	11/10/2016	11/10/2016		
Date Prepared		11/11/2016	11/11/2016	11/11/2016		
Preparation Method		600R93116	600R93116	600R93116		
Date Analyzed		11/14/2016	11/14/2016	11/14/2016		
Matrix		Soil	Soil	Soil		
Units		Percent	Percent	Percent		
Dilution Factor		1	1	1		
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	
Asbestos, Total	1.0	1.0	ND	ND	ND	



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 34

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1111162C6; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
Antimony	0.00	50.0	45.5	91.0	50.0	46.1	92.2	1.31	75-125	<15
Arsenic	5.48	50.0	51.6	92.2	50.0	52.0	93.0	<1	75-125	<15
Barium	81.1	50.0	125	87.8	50.0	124	85.8	2.30	75-125	<15
Beryllium	0.00	50.0	53.0	106	50.0	53.0	106	<1	75-125	<15
Cadmium	0.00	50.0	45.5	91.0	50.0	45.2	90.4	<1	75-125	<15
Chromium	7.77	50.0	56.6	97.7	50.0	57.0	98.5	<1	75-125	<15
Cobalt	5.03	50.0	51.2	92.3	50.0	51.4	92.7	<1	75-125	<15
Copper	13.3	50.0	63.8	101	50.0	62.9	99.2	1.80	75-125	<15
Lead	2.98	50.0	44.6	83.2	50.0	44.5	83.0	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.575	115	0.500	0.570	114	<1	75-125	<15
Molybdenum	0.00	50.0	46.9	93.8	50.0	47.0	94.0	<1	75-125	<15
Nickel	6.44	50.0	49.9	86.9	50.0	49.6	86.3	<1	75-125	<15
Selenium	0.00	50.0	41.4	82.8	50.0	41.1	82.2	<1	75-125	<15
Silver	0.00	50.0	45.2	90.4	50.0	44.9	89.8	<1	75-125	<15
Thallium	0.00	50.0	39.0	78.0	50.0	39.0	78.0	<1	75-125	<15
Vanadium	17.5	50.0	66.0	97.0	50.0	65.4	95.8	1.24	75-125	<15
Zinc	25.2	50.0	71.8	93.2	50.0	71.0	91.6	1.73	75-125	<15

QC Batch No: 1111162C6; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
 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
Antimony	50.0	50.0	100	50.0	50.0	100	<1	75-125	<15
Arsenic	50.0	50.6	101	50.0	50.9	102	<1	75-125	<15
Barium	50.0	51.4	103	50.0	51.1	102	<1	75-125	<15
Beryllium	50.0	56.2	112	50.0	56.4	113	<1	75-125	<15
Cadmium	50.0	52.1	104	50.0	51.7	103	<1	75-125	<15
Chromium	50.0	49.5	99.0	50.0	49.3	98.6	<1	75-125	<15
Cobalt	50.0	51.1	102	50.0	50.7	101	<1	75-125	<15
Copper	50.0	49.0	98.0	50.0	49.2	98.4	<1	75-125	<15
Lead	50.0	50.6	101	50.0	50.5	101	<1	75-125	<15



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1111162C6; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/12/2016;  
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	
Mercury (By EPA 7471)	0.500	0.580	116	0.500	0.580	116	<1	75-125	<15	
Molybdenum	50.0	50.1	100	50.0	50.1	100	<1	75-125	<15	
Nickel	50.0	51.3	103	50.0	50.9	102	<1	75-125	<15	
Selenium	50.0	51.1	102	50.0	51.1	102	<1	75-125	<15	
Silver	50.0	51.5	103	50.0	51.3	103	<1	75-125	<15	
Thallium	50.0	50.2	100	50.0	50.3	101	<1	75-125	<15	
Vanadium	50.0	51.7	103	50.0	51.4	103	<1	75-125	<15	
Zinc	50.0	53.0	106	50.0	52.7	105	<1	75-125	<15	



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 111116EB1; Dup or Spiked Sample: 85241.05; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 Units: ug/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
Aldrin	0.00	20.0	17.0	85.0	20.0	15.7	78.5	7.95	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	50.0	100	50.0	43.2	86.4	14.6	40-150	<40
Dieldrin	0.00	50.0	48.1	96.2	50.0	44.3	88.6	8.23	40-150	<40
Endrin	0.00	50.0	67.0	134	50.0	53.0	106	23.3	40-150	<40
Heptachlor	0.00	20.0	18.1	90.5	20.0	16.4	82.0	9.86	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	16.8	84.0	20.0	15.8	79.0	6.13	40-150	<40
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	56.5	113	50.0	49.8	99.6	11.9	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	52.0	104	50.0	38.3	76.6	26.3	30-150	<40

QC Batch No: 111116EB1; Dup or Spiked Sample: 85241.05; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 Units: ug/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
Aldrin	20.0	16.8	84.0	20.0	16.7	83.5	<1	50-150	<40
4,4'-DDT (DDT)	50.0	46.2	92.4	50.0	46.1	92.2	<1	50-150	<40
Dieldrin	50.0	45.6	91.2	50.0	45.0	90.0	1.32	50-150	<40
Endrin	50.0	51.0	102	50.0	51.5	103	<1	50-150	<40
Heptachlor	20.0	16.7	83.5	20.0	16.2	81.0	3.04	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	16.9	84.5	20.0	16.6	83.0	1.79	50-150	<40
<b>Surrogates</b>									
Decachlorobiphenyl	50.0	56.0	112	50.0	55.5	111	<1	30-150	<40
Tetrachloro-m-xylene	50.0	50.5	101	50.0	49.8	99.6	1.39	30-150	<40



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Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
Bolstar (Sulprofos)	0.00	200	220	110	200	216	108	1.8	50-150	<40
Ethoprop	0.00	200	199	99.5	200	193	96.5	3.1	50-150	<40
Phorate (Phosphorodithioic acid)	0.00	200	159	79.5	200	155	77.5	2.5	50-150	<40
Ronnel	0.00	200	197	98.5	200	194	97.0	1.5	50-150	<40
<b>Surrogates</b>										
Tributylphosphate	0.00	250	242	96.8	250	232	92.8	4.2	50-150	<40

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
Bolstar (Sulprofos)	200	206	103	200	196	98.0	5.0	50-150	<40
Ethoprop	200	216	108	200	208	104	3.8	50-150	<40
Phorate (Phosphorodithioic acid)	200	166	83.0	200	160	80.0	3.7	50-150	<40
Ronnel	200	196	98.0	200	189	94.5	3.6	50-150	<40
<b>Surrogates</b>									
Tributylphosphate	250	260	104	250	250	100	3.9	50-150	<40



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### Site

URP PIT #3

Telephone: (626)458-5100

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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
2,4-D	0.00	25.0	12.8	51.2	25.0	13.9	55.4	7.9	40-140	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	25.0	16.7	66.8	25.0	16.2	64.8	3.0	40-140	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	25.0	14.2	56.8	25.0	13.2	52.8	7.3	40-140	<40
<b>Surrogates</b>										
DCAA	0.00	50.0	32.8	65.6	50.0	29.2	58.4	11.6	40-140	<40

QC Batch No: 111116; Dup or Spiked Sample: 85245.08; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: ug/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	
2,4-D	25.0	17.9	71.6	25.0	17.7	70.8	1.1	50-140	<40	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	25.0	16.0	63.9	25.0	16.7	66.8	4.4	50-140	<40	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	25.0	17.1	68.4	25.0	17.4	69.6	1.7	50-140	<40	
<b>LCS</b>										
Dalapon	25.0	21.3	85.2	25.0	23.1	92.4	8.1	50-140	<40	
2,4-DB	25.0	16.6	66.4	25.0	16.9	67.6	1.8	50-140	<40	
Dicamba	25.0	17.1	68.4	25.0	15.9	63.6	7.3	50-140	<40	
Dichloroprop	25.0	16.5	66.0	25.0	28.5	114	53.3	50-140	<40	
MCPA	2,500	2,010	80.4	2,500	1,920	76.8	4.6	50-140	<40	
MCPP	2,500	1,370	54.8	2,500	2,040	81.6	39.3	50-140	<40	
2,4,5-TP	25.0	18.4	73.6	25.0	18.8	75.2	2.2	50-140	<40	
<b>Surrogates</b>										
DCAA	50.0	35.6	71.2	50.0	33.0	65.9	7.7	50-140	<40	





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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1112162A1; Dup or Spiked Sample: 85245.05; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/12/2016;  
 Units: ug/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
Benzene	0.00	50.0	44.2	88.3	50.0	42.7	85.3	3.46	75-125	<20
Chlorobenzene	0.00	50.0	46.5	93.0	50.0	46.0	92.0	1.08	75-125	<20
1,1-Dichloroethene	0.00	50.0	49.3	98.6	50.0	44.4	88.8	10.5	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	47.3	94.6	50.0	46.6	93.2	1.49	75-125	<20
Trichloroethene	0.00	50.0	49.0	98.0	50.0	46.8	93.6	4.59	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	42.5	85.0	50.0	40.7	81.4	4.33	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	50.0	48.6	97.2	50.0	49.5	98.9	1.75	75-125	<20
Dibromofluoromethane	0.00	50.0	49.3	98.6	50.0	47.0	93.9	4.77	75-125	<20
Toluene-d8	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20

QC Batch No: 1112162A1; Dup or Spiked Sample: 85245.05; LCS: Clean Sand; QC Prepared: 11/12/2016; QC Analyzed: 11/12/2016;  
 Units: ug/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
Benzene	50.0	51.5	103	50.0	53.0	106	2.87	75-125	<20
Chlorobenzene	50.0	54.5	109	50.0	56.0	112	2.71	75-125	<20
1,1-Dichloroethene	50.0	51.0	102	50.0	54.0	108	5.71	75-125	<20
Toluene (Methyl benzene)	50.0	54.0	108	50.0	56.0	112	3.64	75-125	<20
Trichloroethene	50.0	52.5	105	50.0	54.5	109	3.74	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20
<b>LCS</b>									
Chloroform (Trichloromethane)	50.0	49.7	99.4	50.0	51.5	103	3.56	75-125	<20
Ethylbenzene	50.0	54.0	108	50.0	56.0	112	3.64	75-125	<20
1,1,1-Trichloroethane	50.0	51.0	102	50.0	53.5	107	4.78	75-125	<20
o-Xylene	50.0	52.5	105	50.0	54.0	108	2.82	75-125	<20
m,p-Xylenes	100	105	105	100	110	110	4.65	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	50.0	48.8	97.6	50.0	49.1	98.1	<1	75-125	<20
Dibromofluoromethane	50.0	49.9	99.8	50.0	48.6	97.2	2.61	75-125	<20
Toluene-d8	50.0	49.7	99.4	50.0	49.3	98.6	<1	75-125	<20



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## QUALITY CONTROL RESULTS

### Ordered By

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### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 40

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 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
Acenaphthene	0.00	2.50	1.88	75.2	2.50	1.84	73.6	2.2	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.95	79.0	5.00	3.84	76.8	2.8	39-98	<20
2-Chlorophenol	0.00	5.00	3.95	79.0	5.00	3.84	76.8	2.8	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.81	72.4	2.50	1.53	61.0	17.1	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.69	67.6	2.50	1.76	70.2	3.8	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	2.07	82.8	2.50	2.06	82.4	<1	41-116	<20
4-Nitrophenol	0.00	5.00	2.37	47.4	5.00	2.36	47.1	<1	10-110	<20
Pentachlorophenol	0.00	5.00	3.76	75.2	5.00	3.81	76.2	1.3	40-125	<20
Phenol	0.00	5.00	3.32	66.4	5.00	3.30	66.0	<1	12-89	<20
Pyrene	0.00	2.50	2.10	84.0	2.50	2.55	102	19.4	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.90	76.0	2.50	1.74	69.6	8.8	39-98	<20
<b>Surrogates</b>										
2-Fluorophenol	0.00	5.00	2.62	52.4	5.00	2.18	43.6	18.3	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.62	64.8	2.50	1.46	58.4	10.4	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.54	61.6	2.50	1.35	54.0	13.1	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.66	66.4	2.50	1.91	76.4	14.0	18-137	<20
Phenol-d6	0.00	5.00	2.73	54.6	5.00	2.38	47.6	13.7	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	3.27	65.4	5.00	3.21	64.2	1.9	19-122	<20

QC Batch No: 111116JB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Acenaphthene	2.50	2.14	85.6	31-137
4-Chloro-3-methylphenol	5.00	4.64	92.8	40-99
2-Chlorophenol	5.00	3.79	75.8	25-102
1,4-Dichlorobenzene	2.50	2.06	82.4	28-104
2,4-Dinitrotoluene	2.50	2.09	83.6	28-89
N-Nitroso-Di-n-propylamine	2.50	2.39	95.6	41-126
4-Nitrophenol	5.00	2.87	57.4	11-114
Pentachlorophenol	5.00	4.64	92.8	17-125



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## QUALITY CONTROL RESULTS

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Project ID: EF02414001  
Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 111116JB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/14/2016;  
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	3.76	75.2	26-90						
Pyrene	2.50	2.75	110	35-142						
1,2,4-Trichlorobenzene	2.50	2.34	93.6	38-107						
<b>Surrogates</b>										
2-Fluorophenol	5.00	3.13	62.6	25-121						
2-Fluorobiphenyl	2.50	1.93	77.2	30-115						
Nitrobenzene-d5	2.50	1.88	75.2	23-120						
p-Terphenyl-D14	2.50	2.31	92.4	18-137						
Phenol-d6	5.00	3.24	64.8	24-113						
2,4,6-Tribromophenol	5.00	4.15	83.0	19-122						



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### Site

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Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 111116DB2; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 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
TPH as Diesel (C13-C22)	0.00	500	488	97.6	500	489	97.8	<1	75-125	<20
<b>Surrogates</b>										
Chlorobenzene	0.00	100	75.2	75.2	100	83.3	83.3	10.2	75-125	<20

QC Batch No: 111116DB2; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 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
TPH as Diesel (C13-C22)	500	496	99.2	500	489	97.8	1.4	75-125	<20
<b>Surrogates</b>									
Chlorobenzene	100	87.5	87.5	100	87.1	87.1	<1	75-125	<20



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### Site

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Telephone: (626)458-5100

Attn: Gregory Sena

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Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1111160B1; Dup or Spiked Sample: 85245.05AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/12/2016;  
 LCS Analyzed: 11/11/2016; 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
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.801	80.1	1.00	0.811	81.1	1.24	75-125	<20
<b>Surrogates</b>										
Bromofluorobenzene	0.00	0.0500	0.0432	86.4	0.0500	0.0447	89.4	3.47	75-125	<20

QC Batch No: 1111160B1; Dup or Spiked Sample: 85245.05AGA; LCS: Clean Sand; QC Prepared: 11/11/2016; MS Analyzed: 11/12/2016;  
 LCS Analyzed: 11/11/2016; 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
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.934	93.4	1.00	0.899	89.9	3.82	75-125	<20
<b>Surrogates</b>									
Bromofluorobenzene	0.0500	0.0442	88.4	0.0500	0.0443	88.6	<1	75-125	<20



# LA Testing

520 Mission Street, South Pasadena, CA 91030

Phone/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com>

[pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order:	321625223
CustomerID:	32AETL21
CustomerPO:	21718-sub
ProjectID:	

Attn: **Jim Lin**  
**American Environmental Testing Lab, Inc.**  
**2834 North Naomi Street**

Phone: (818) 845-8200  
 Fax: (818) 845-8840  
 Received: 11/11/16 2:50 PM  
 Analysis Date: 11/14/2016  
 Collected: 11/10/2016

**Burbank, CA 91504**

Project: **85245**

## Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
85245-01 321625223-0001		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-02 321625223-0002		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-03 321625223-0003		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-04 321625223-0004		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-05 321625223-0005		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-06 321625223-0006		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-07 321625223-0007		Brown Non-Fibrous Homogeneous	<b>None Detected</b>	
85245-08 321625223-0008		Gray Non-Fibrous Homogeneous	<b>None Detected</b>	

This is a qualitative soil analysis method. Due to the heterogeneity of the samples there is a significant chance for quantification errors and/or false negatives with this method.

Analyst(s) \_\_\_\_\_

Kieu-anh Pham Duong (2)

Rosa Mendoza (6)

Jerry Drapala Ph.D, Laboratory Manager  
or other approved signatory

LA Testing recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Initial report from 11/14/2016 11:58:46



**Asbestos Chain of Custody**  
 LA Testing Order Number (Lab Use Only):

LA TESTING  
 520 MISSION STREET  
 S. PASADENA, CA 91030  
 PHONE: (323) 254-9960  
 FAX: (323) 254-9982

**€321625223**

Company: <b>AETL</b>		LA Testing-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <b>2834 N. Naomi St.</b>		Third Party Billing requires written authorization from third party	
City: <b>Burbank</b>	State/Province: <b>CA</b>	Zip/Postal Code: <b>91504, CA</b>	Country: <b>USA</b>
Report To (Name): <b>Tim Lin</b>		Fax #: <b>(818) 845-8840</b>	
Telephone #: <b>(818) 845-8200</b>		Email Address:	
Project Name/Number: <b>85245</b>			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order: <b>21718 - sub</b>	U.S. State Samples Taken: <b>CA</b>

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*For TEM Air 3 hours through 6 hours, please call ahead to schedule.\*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.

<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
<b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <b>PRESENT AND ABOVE</b> <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	<b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative)
<b>TEM - Water: EPA 100.2</b> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		<b>Other:</b> <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: \_\_\_\_\_ Samplers Signature: \_\_\_\_\_

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
85245.01	Soil	1x2oz jar	11/10/16 8:40
.02			1325
.03			1320
.04			1335
.05			1345
.06			1350
.07			1355
.08			1400

Client Sample # (s): \_\_\_\_\_ Total # of Samples: \_\_\_\_\_

Relinquished (Client): **Surgis p** Date: **11-11-16** Time: **1445**

Received (Lab): **EL** Date: **11/11/16** Time: **2:00PM**

Comments/Special Instructions:



## 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

### 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

---



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### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626)458-5100  
Attention: Gregory Sena

Number of Pages 7  
Date Received 11/10/2016  
Date Reported 12/05/2016

Job Number	Order Date	Client
85245	11/10/2016	LACDPW

Project ID: EF02414001  
Project Name: URP Pit #3  
Site: URP PIT #3

Enclosed please find results of analyses of 8 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: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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# CHAIN OF CUSTODY RECORD

No 98664

AETL JOB No. **85245**

Page 1 of 1

COMPANY <b>LAC DPW</b>	PROJECT MANAGER <b>RLM / Greg Sena</b>
COMPANY ADDRESS <b>900 S. Fremont Ave. Alhambra, CA 91803</b>	PHONE <b>626.458.4923</b>
PROJECT NAME <b>URP Pit #3</b>	PROJECT # <b>EFO2414001</b>
SITE NAME AND ADDRESS <b>URP Pit #3</b>	PO # <b>17CN-A00328</b>

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS		
VOCs 8260B	11 HE 22 METALS	6010 B 17471A	TPH-CC	8015m	SVOCs 8270C	CHs 8151A	ACPs 8081A	OPs 8141A	Asbestos 600/2-93110	PCBs 8082	PAHs 8310	* (8)
X	X	X	X	X	X	X	X	X	X	X		

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
B2-25	85245.01	11/10/16	08:40/08:50	S	SIU	ice/U
B3-1	85245.02		13:25			
B3-2	85245.03		13:20			
B3-3	85245.04		13:35			
B3-4	85245.05		13:45			
B3-5	85245.06		13:50			
B3-6	85245.07		13:55			
B3-7	85245.08		14:00			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
TOTAL NUMBER OF CONTAINERS	<b>40</b>	PROPERLY COOLED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
CUSTODY SEALS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA	SAMPLES INTACT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N / NA	Printed Name: <b>RLM</b>	Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>
RECEIVED IN GOOD COND.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	SAMPLES ACCEPTED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Date: <b>11/10/16</b> Time: <b>1650</b>	Date: _____ Time: _____	Date: _____ Time: _____
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
<input type="checkbox"/> NORMAL	<input checked="" type="checkbox"/> RUSH	<input type="checkbox"/> HARD COPY	<input type="checkbox"/> PDF	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
<input type="checkbox"/> SAME DAY	<input type="checkbox"/> NEXT DAY	<input type="checkbox"/> GEOTRACKER (GLOBAL ID)	_____	Printed Name: _____	Printed Name: _____	Printed Name: <b>Christine Nevshadze</b>
<input checked="" type="checkbox"/> 2 DAYS	<input type="checkbox"/> 3 DAYS	<input type="checkbox"/> OTHER (PLEASE SPECIFY)	_____	Date: _____ Time: _____	Date: _____ Time: _____	Date: <b>11/10/16</b> Time: <b>1650</b>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

### Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100  
Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/15/2016

Job Number	Order Date	Client
85245	11/10/2016	LACDPW

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 8 samples with the following specification on 11/10/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85245.01	B2-25	11/10/2016	Soil	5
85245.02	B3-1	11/10/2016	Soil	5
85245.03	B3-2	11/10/2016	Soil	5
85245.04	B3-3	11/10/2016	Soil	5
85245.05	B3-4	11/10/2016	Soil	5
85245.06	B3-5	11/10/2016	Soil	5
85245.07	B3-6	11/10/2016	Soil	5
85245.08	B3-7	11/10/2016	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	11/14/2016	3	Rush	mg/Kg
(8081A)	11/14/2016	3	Rush	ug/Kg
(8082)	11/14/2016	3	Rush	ug/Kg
(8141A)	11/14/2016	3	Rush	ug/Kg
(8151A)	11/14/2016	3	Rush	ug/Kg
(8260B) ^ +OXY5035	11/14/2016	3	Rush	ug/Kg
(8270C)	11/14/2016	3	Rush	mg/Kg
(8310)	11/14/2016	3	Rush	mg/Kg
(M8015D) ^ C13-C40	11/14/2016	3	Rush	mg/Kg
(M8015G)	11/14/2016	3	Rush	mg/Kg
EPA-600R-93/116	11/14/2016	3	Rush	Percent

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: 

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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Page: 1 B

## Ordered By

LA County Dept. of Public Works  
GMED Materials Lab 900 S. Fremont Ave,  
4th Floor  
Alhambra, CA 91803-

Telephone: (626) 458-5100

Attention: Gregory Sena

Project ID: EF02414001  
Date Received 11/10/2016  
Date Reported 11/15/2016

Job Number	Order Date	Client
85245	11/10/2016	LACDPW

---

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

Checked By:  \_\_\_\_\_

Approved By:  \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 2

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116

Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Client Sample I.D.			B2-25	B3-1	B3-2	B3-3	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method		3550B	3550B	3550B	3550B	3550B	
Date Analyzed		11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Matrix		Soil	Soil	Soil	Soil	Soil	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor		1	1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND	ND	ND
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND	ND	ND
Our Lab I.D.		Method Blank	85245.01	85245.02	85245.03	85245.04	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150	68.0	76.2	75.0	73.9	69.6	
Tetrachloro-m-xylene	30-150	66.2	102	100	98.8	97.6	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 3

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/11/2016	11/11/2016	11/11/2016	11/11/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND	ND	ND	
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Decachlorobiphenyl	30-150		70.4	77.0	78.8	76.5	
Tetrachloro-m-xylene	30-150		88.6	98.6	99.0	98.0	



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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 4

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 1117161B1

Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Client Sample I.D.				B2-25	B3-1	B3-2	B3-3
Date Sampled				11/10/2016	11/10/2016	11/10/2016	11/10/2016
Date Prepared			11/17/2016	11/17/2016	11/17/2016	11/17/2016	11/17/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			11/18/2016	11/18/2016	11/18/2016	11/18/2016	11/18/2016
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
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Chrysene	0.010	0.020	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	ND
Fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Fluorene	0.010	0.020	ND	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	ND	ND	ND	ND
Pyrene	0.010	0.020	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	85245.01	85245.02	85245.03	85245.04
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125		111	110	105	131	101





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## ANALYTICAL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 5

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1

Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Client Sample I.D.			B3-4	B3-5	B3-6	B3-7	
Date Sampled			11/10/2016	11/10/2016	11/10/2016	11/10/2016	
Date Prepared			11/17/2016	11/17/2016	11/17/2016	11/17/2016	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			11/18/2016	11/18/2016	11/18/2016	11/18/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	
Chrysene	0.010	0.020	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	
Acenaphthene	0.010	0.020	ND	ND	ND	ND	
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	
Anthracene	0.010	0.020	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	
Fluoranthene	0.010	0.020	ND	ND	ND	ND	
Fluorene	0.010	0.020	ND	ND	ND	ND	
Naphthalene	0.010	0.020	ND	ND	ND	ND	
Phenanthrene	0.010	0.020	ND	ND	ND	ND	
Pyrene	0.010	0.020	ND	ND	ND	ND	
Our Lab I.D.			85245.05	85245.06	85245.07	85245.08	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
p-Terphenyl-D14	75-125		123	101	86.8	113	



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 6

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 111116; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 Units: ug/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
Aroclor-1016 (PCB-1016)	0.00	500	347	69.4	500	367	73.4	5.6	50-150	<20
Aroclor-1260 (PCB-1260)	0.00	500	520	104	500	540	108	3.8	50-150	<20
<b>Surrogates</b>										
Decachlorobiphenyl	0.00	50.0	64.5	129	50.0	64.0	128	<1	30-150	<20
Tetrachloro-m-xylene	0.00	50.0	52.0	104	50.0	44.1	88.2	16.4	30-150	<20

QC Batch No: 111116; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/11/2016; QC Analyzed: 11/11/2016;  
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1016 (PCB-1016)	500	340	68.0	50-150						
Aroclor-1260 (PCB-1260)	500	494	98.8	50-150						
<b>Surrogates</b>										
Decachlorobiphenyl	50.0	61.5	123	30-150						
Tetrachloro-m-xylene	50.0	48.9	97.8	30-150						



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## QUALITY CONTROL RESULTS

### Ordered By

LA County Dept. of Public Works  
 GMED Materials Lab  
 900 S. Fremont Ave, 4th Floor  
 Alhambra, CA 91803-

### Site

URP PIT #3

Telephone: (626)458-5100

Attn: Gregory Sena

Page: 7

Project ID: EF02414001

Project Name: URP Pit #3

AETL Job Number	Submitted	Client
85245	11/10/2016	LACDPW

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 111716IB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.00	0.0500	0.0452	90.4	0.0500	0.0444	88.8	1.79	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0452	90.4	0.0500	0.0442	88.4	2.24	75-125	<20
Naphthalene	0.00	0.500	0.460	92.0	0.500	0.445	89.0	3.31	75-125	<20
<b>Surrogates</b>										
p-Terphenyl-D14	0.00	0.400	0.448	112	0.400	0.444	111	<1	75-125	<20

QC Batch No: 111716IB1; Dup or Spiked Sample: 85245.01; LCS: Clean Sand; QC Prepared: 11/17/2016; QC Analyzed: 11/18/2016;  
 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
Benzo(a)anthracene	0.0500	0.0442	88.4	0.0500	0.0440	88.0	<1	75-125	<20
Benzo(a)pyrene	0.0500	0.0458	91.6	0.0500	0.0448	89.6	2.21	75-125	<20
Naphthalene	0.500	0.453	90.6	0.500	0.454	90.8	<1	75-125	<20
<b>LCS</b>									
Acenaphthene	0.500	0.435	87.0	0.500	0.430	86.0	1.16	75-125	<20
Acenaphthylene	1.00	0.914	91.4	1.00	0.903	90.3	1.21	75-125	<20
Anthracene	0.0500	0.0458	91.6	0.0500	0.0450	90.0	1.76	75-125	<20
Benzo(b)fluoranthene	0.100	0.0936	93.6	0.100	0.0906	90.6	3.26	75-125	<20
Benzo(g,h,i)perylene	0.100	0.0886	88.6	0.100	0.0856	85.6	3.44	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0471	94.2	0.0500	0.0458	91.6	2.80	75-125	<20
Chrysene	0.0500	0.0455	91.0	0.0500	0.0453	90.6	<1	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.0925	92.5	0.100	0.0982	98.2	5.98	75-125	<20
Fluoranthene	0.100	0.0886	88.6	0.100	0.0872	87.2	1.59	75-125	<20
Fluorene	0.100	0.0839	83.9	0.100	0.0832	83.2	<1	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0466	93.2	0.0500	0.0461	92.2	1.08	75-125	<20
Phenanthrene	0.0500	0.0451	90.2	0.0500	0.0445	89.0	1.34	75-125	<20
Pyrene	0.0500	0.0436	87.2	0.0500	0.0432	86.4	<1	75-125	<20
<b>Surrogates</b>									
p-Terphenyl-D14	0.400	0.452	113	0.400	0.448	112	<1	75-125	<20



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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

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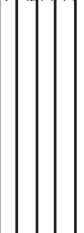







## **APPENDIX C**

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
GEOLOGY SECTION - GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION

**SUMMARY LOG OF BORING**

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 1 <b>of</b> 4	<b>Boring Number:</b> B-1
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 140'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/07/16 and 11/08/16	<b>Logged By:</b> Sena, Gregory	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
0	<p><b>0-129' FILL</b> From 0 to 3'; mostly concrete fragments. At 3'; CLAYEY SILT; brown (7.5YR 4/2); dry, trace fine gravel. From; 5' to 10'; concrete fragments without rebar.</p> <p>At 10'; GRAVELLY SAND; gray (10YR 4/1); dry, traces of granitic cobbles and concrete fragments. At 14'; traces of brick fragments.</p> <p>At 25'; traces of brick fragments.</p> <p>At 30'; traces of brick fragments.</p> <p>At 38'; pieces of wire/reinforcing metal.</p> <p>At 40'; traces of brick fragments.</p>		ML	B1-1	5'-6' @12:10	
5				B1-2	10'-11' @12:15	
10			SW	B1-3	15'-16' @12:30	
15				B1-4	20'-21' @12:45	
20				B1-5	25'-26' @12:50	
25				B1-6	30'-31' @13:20	
30				B1-7	35'-36' @13:25	
35				B1-8	40'-41' @13:50	
40						

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
GEOLOGY SECTION - GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION

**SUMMARY LOG OF BORING**

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 2 <b>of</b> 4	<b>Boring Number:</b> B-1
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 140'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/07/16 and 11/08/16	<b>Logged By:</b> Sena, Gregory	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
40		SW				
45	At 43'; changes to very dark brown (7.5YR 2.5/2) to black (2.5/1), traces of silt and clay, slightly moist.  From 47' to 49'; concrete.	B1-9	45'-46' @ 13:55			
50	At 50'; large brick fragments.  At 52'; brick fragments.	B1-10	50'-51' @ 14:05			
55	At 55'; brick fragments.	B1-11	55'-56' @ 14:10			
60	From 58' to 59'; concrete (fine aggregate).  At 62'; brick fragments. At 63'; pieces of wire.	B1-12	59'-60' @ 14:15			
65	From 65' to 67'; brick fragments with sand and some cement.	B1-13	65'-66' @ 14:55			
70	From 69' to 70'; concrete (fine aggregate).  At 71'; changes to very dark brown (7.5YR 2.5/2), dry, concrete fragments in matrix.	B1-14	70'-71' @ 15:00			
75		B1-15	75'-76' @ 15:40			
80	At 80'; traces of brick fragments.	B1-16	79'-80' @ 15:45			Stop drilling on 11/17/16 @ 80'.


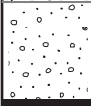
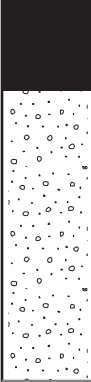



LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
GEOLOGY SECTION - GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION

**SUMMARY LOG OF BORING**

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 3 <b>of</b> 4	<b>Boring Number:</b> B-1
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 140'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/07/16 and 11/08/16	<b>Logged By:</b> Sena, Gregory	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.


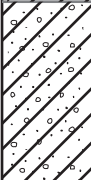
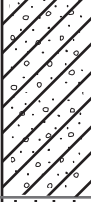


DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
80	At 80'; CLAYEY SAND with GRAVEL; very dark brown (7.5YR 2.5/2); fine sand, moist.		SC			Start drilling on 11/18/16 at 80'.
85	At 82'; GRAVELLY SAND; dark grayish-olive (10Y-5GY 3/2), medium-grained sand, fine gravel consisting of disintegrated cement. From 85' to 88'; concrete.		SW	B1-17	85'-86' @08:30	
90	At 88'; changes to light olive-brown (2.5Y 5/3), fine- to medium-grained sand, fine gravel, concrete fragments. At 92'; plastic (pottery) fragments.			B1-18	90'-91' @09:15	
95				B1-19	95'-96' @09:20	
100	At 97'; SANDY CLAY with GRAVEL; very dark gray (7.5YR 3/1), fine gravel, laminated clay. At 101'; plastic pieces.		CL	B1-20	100'-101' @10:20	
105				B1-21	105'-106' @10:25	
110	At 109'; compressed fill soils with clay and brick fragments. At 111'; changes to black (7.5YR 2.5/1) fine-grained sand, fine gravel, brick fragments, traces of asphalt, and trash (woven fabric).			B1-22	110'-111' @11:00	
115				B1-23	115'-116' @11:05	
120	From 117' to 119'; layer of concrete and fill soils. At 119'; resembling alluvium.			B1-24	120'-121' @13:10	

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
GEOLOGY SECTION - GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION

### SUMMARY LOG OF BORING

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 4 <b>of</b> 4	<b>Boring Number:</b> B-1
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 140'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/07/16 and 11/08/16	<b>Logged By:</b> Sena, Gregory	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
120	At 120'; CLAY with GRAVEL; reddish-brown (2.5YR 5/3); slightly moist, coarse gravel, traces of wood.		CL			
125	At 122'; CLAYEY SAND with GRAVEL; reddish-black (2.5YR 2.5/1); slightly moist, fine-grained sand, fine to coarse gravel. From 125'-126'; fragmented brick layer in soil matrix.		SC	B1-25	125'-126' @ 13:20	
130	At 128'; traces of asphalt within a foot layer of sand, very dark grayish-brown (2.5Y 3/2), fine-grained sand, slightly moist.			B1-26	130'-131' @ 13:50	
135	<b>129'-140' LAKE DEPOSIT</b> From 129' to 140'; SILT and SAND; very dark grayish-brown (2.5Y 3/2); thinly bedded and laminated, alternating layers of silt and sand, slightly stiff, moist.		ML	B1-27	135'-136' @ 14:00	
140	At 138' SILT with CLAY; stiff to hard, moist.			B1-28	139'-140' @ 14:10	Complete drilling on 11/08/16 at 14:10'.
145	Total Depth: ~140'. No groundwater or seepage encountered. Backfilled with hydrated betonite. Approximate Lat: 34.125/Lon: -117.978. Elevation from IRW-A well log (2014).					
150						
155						
160						

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
GEOLOGY SECTION - GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION

**SUMMARY LOG OF BORING**

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 1 <b>of</b> 4	<b>Boring Number:</b> B-2
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 127'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/9/16 and 11/10/16	<b>Logged By:</b> Sena, Gregory/Lopez-Maldonado R.	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
0	0-120' <b>FILL</b> SILTY SAND with GRAVEL; brown (7.5YR 4/3); loose, dry, fine-grained sand, fine to coarse gravel, traces of plastic.	SM				
5				B2-1	5'-6' @08:05	
10	At 9.5'; brick fragments. At 11'; increasing silt, alternating colors from very dark gray (7.5YR 3/1) to black (5YR 2.5/1).			B2-2	9'-10' @08:10	
15	At 14'; traces of brick and metal fragments.			B2-3	15'-16' @08:25	
20	At 19'; traces of brick fragments.			B2-4	19'-20' @08:30	
25	At 26'; concrete ~1-foot thick core.			B2-5	24'-25' @08:35	
30	At 31'; increasing silt and clay, very dark gray (7.5YR 3/1) to black (5YR 2.5/1), slightly moist.			B2-6	29'-30' @08:40	
35	From 37'-38'; asphalt layer.			B2-7	35'-36' @09:05	
40	At 40'; trace cobbles.			B2-8	39'-40' @09:10	

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**SUMMARY LOG OF BORING**

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 2 <b>of</b> 4	<b>Boring Number:</b> B-2
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 127'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/9/16 and 11/10/16	<b>Logged By:</b> Sena, Gregory/Lopez-Maldonado R.	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
40			SM			
	At 42'; asphalt and traces of green glass.					
45				B2-9	45'-46' @09:20	
	From 46'-50'; resembling alluvium, traces of brick fragments and asphalt, granitic cobbles.					
50				B2-10	49'-50' @09:25	
	From 50'-57'; traces of organics, and asphalt and glass fragments.					
55				B2-11	55'-56' @09:50	
	At 57'; fine- to medium-grained sand, resembling alluvium.					
60				B2-12	59'-60' @09:55	
	From 60' to 70'; intermixed with asphalt, and brick and glass fragments.					
65				B2-13	64'-65' @10:20	
70				B2-14	69'-70' @10:25	
75				B2-15	75'-76' @10:45	
	At 75'; concrete.					
	From 77' to 80'; abundant asphalt, some intact bricks and glass.					
80				B2-16	79'-80' @10:50	

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### SUMMARY LOG OF BORING

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 3 <b>of</b> 4	<b>Boring Number:</b> B-2
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 127'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/9/16 and 11/10/16	<b>Logged By:</b> Sena Gregory/Lopez-Maldonado R.	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

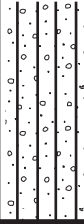
DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
80		SM				
85				B2-17	85'-86' @ 11:20	
90	At 90'; asphalt/tar in clay layers.			B2-18	89'-90' @ 11:25	
95				B2-19	95'-96' @ 13:30	
100	At 98'; brick fragments intermixed with asphalt. At 101'; cobbles.			B2-20	99'-100' @ 13:35	
105	From 103' to 107'; changes to very dark brown (2.5YR 3/2) to black (5YR 2.5/1); with brick fragments and asphalt.			B2-21	105'-106' @ 14:15	
110				B2-22	109'-110' @ 14:20	
115	From 113' to 116'; concrete.			B2-23	114'-115' @ 15:25	
120	At 117'; possible alluvium. At 118'; pulverized rock.			B2-24	119'-120' @ 15:30	Stop drilling on 11/19/16

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### SUMMARY LOG OF BORING

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 4 <b>of</b> 4	<b>Boring Number:</b> B-2
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 127'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~435' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/9/16 and 11/10/16	<b>Logged By:</b> Sena, Gregory/Lopez-Maldonado R.	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.



DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
120	<p><b>120'-127' ALLUVIUM</b> At 120'; SILTY SAND with GRAVEL; medium brown; fine- to medium-grained sand, fine to coarse gravel. From 122'-127'; changes to reddish-brown; slightly moist, with cobbles and pulverized rock.</p>		SM	B2-25	124'-125' @ 08:40	Start drilling on 11/10/16 at 08:10
125						Drill screw broke at 127'. Ended drilling.
130	<p>Total Depth: ~127'. No groundwater or seepage encountered. Backfilled with hydrated bentonite. Approximate Lat: 34.124/Lon: -117.977. Elevation from IRW-A well log (2014).</p>					Complete drilling at 09:45.
135						
140						
145						
150						
155						
160						

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### SUMMARY LOG OF BORING

<b>Project:</b> United Rock Products Facility-Pit No. 3	<b>Page</b> 1 <b>of</b> 1	<b>Boring Number:</b> B-3
<b>Boring Location:</b> 1137 Meridian St., Irwindale	<b>Water Depth:</b> NE	<b>Depth of Boring:</b> 36'
<b>Drilling Company:</b> Cascade Drilling and Testing	<b>Driller:</b> Felipe	<b>Elevation:</b> ~290' msl
<b>Drilling Equipment:</b> Sonic (6" casing; 4" drill rod)	<b>Monitoring Well Installed:</b> No	
<b>Drilling Dates:</b> 11/10/16	<b>Logged By:</b> Lopez-Maldonado, R.	

Note: This log contains observations and interpretations that are valid only for the specific date and location of the boring. Subsurface conditions vary between borings and with time. Lithologic descriptions are derived using visual classification methods and may vary from descriptions/classifications based on laboratory testing.

DEPTH (FEET)	SOIL DESCRIPTION	LOG DATA		SAMPLE DATA		REMARKS
		GRAPHIC LITHOLOGY	USCS	SAMPLE NUMBER	SAMPLE INTERVAL	
0	<p>0-29' <b>FILL</b> SANDY SILT; medium brown, fine-to coarse-grained sand, contains some fine gravel.</p> <p style="text-align: center;">From 15' to 29'; traces of clay.</p>		ML			<p>Start drilling at 13:20.</p>
5			B3-1	4'-5' @ 13:25		
10			B3-2	9'-10' @ 13:30		
15			B3-3	14'-15' @ 13:35		
20			B3-4	19'-20' @ 13:45		
25		B3-5	24'-25' @ 13:50			
30	<p>29'-36' <b>ALLUVIUM.</b> GRAVELLY SAND; light gray; slightly moist, contains fine gravel to cobbles, sub-angular to sub-rounded.</p>		SW	B3-6	29'-30' @ 13:55	<p>Driller comments harder drilling.</p>
35			B3-7	34'-35' @ 14:00		
40	<p>Total Depth: ~36'. No groundwater or seepage encountered. Backfilled with hydrated bentonite. Approximate Lat: 37.125/Lon: -117.981. Elevation from Google Earth (2016).</p>					<p>End drilling at 14:00.</p>