

Appendix D Royal Environmental Services, Inc. Letter Report
Regarding Pre-Demolition Asbestos and Lead
Paint Survey Encina Power Station Marine
Terminal, Carlsbad, California

ROYAL ENVIRONMENTAL SERVICES, INC.

4704 50TH STREET SAN DIEGO, CA 92115—PHONE 619 985 6363

February 12, 2013

Curtis Gardner
Project Manager
Argus Contracting, LP
2340 E Artesia Boulevard
Long Beach, CA 90805

**RE: Pre-demolition Asbestos and Lead Paint Survey
Encina Power Station Marine Terminal
Carlsbad, California**

Dear Mr. Gardner:

Royal Environmental Services, Inc. (RES) is pleased to provide Argus Contracting, LP (Client) with the results of the asbestos and lead containing paint survey performed at the subject site the Encina Power Station Marine Terminal, located at 4600 Carlsbad Boulevard, Carlsbad, California (Figure1). At the request of Client, the scope of the survey included the access pit, adjoining tunnel and pipeline as depicted in Figure 2 and in photographs provided in Appendix A. In addition samples of sand present on the access pit floor and tunnel were sampled and tested for petroleum content.

GENERAL SPACE INVENTORY

The subject site is developed with a concrete lined access pit connected to a concrete pipe tunnel that underlies the adjacent Carlsbad Boulevard. The access pit is approximately 12.5 feet deep and is located at the east end of an approximately 8 foot diameter tunnel that contains a 20 inch diameter, concrete encased fuel oil pipeline. Within the access pit are various valves and smaller diameter piping associated with the fuel oil pipe as depicted in Figure 2 and in the included photographs. Sand was noted within the tunnel and on the access pit floor.

The construction of the access pit and tunnel consists of cast- in-place concrete or in the case of the tunnel precast sections. The fuel oil pipeline is steel with an approximately two inch thick uniform concrete covering with on-site applied patching at what appear to be assembly joints spaced at approximately 30 foot intervals along the fuel pipe. Where the concrete cover is not present on the pipe such as in the access pit; the fuel pipe has an asphalt and fiber wrapping. A smaller 6 inch pipe attached to the fuel pipe is also wrapped with this material. A similar asphalt and fiber material was observed at several of the patch areas projecting from the joint of the patch and uniform concrete covering. Where the fuel oil line penetrates the concrete wall at the west end of the tunnel an approximately ¼ thick material with a fibrous mineral appearance is present around the pipe at the contact with the concrete. One of the smaller pipes, approximately 1- inch in size was wrapped with a fibrous material and cloth cover.

Two smaller pipes, one a 1- inch steel pipe and a ¾- inch copper pipe mounted to the walls of the access pit were noted to be painted and the paint was in poor condition.

INVESTIGATIVE METHODS

RES conducted the asbestos and lead containing paint survey on February 1, 2013. The survey consisted of inspecting the interior, of the access pit for suspect asbestos-containing materials (SACM) and suspect paint and coatings and collecting samples for submittal to an accredited laboratory under chain-of-custody protocol. RES also collected samples of sand present on the access pit floor and tunnel and tested for petroleum content.

Asbestos Survey

Asbestos inspection and sampling activities were performed by Mr. Gerald Kwiat of RES, a Federal Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA)-certified Building Inspector and a California Division of Occupational Safety and Health (DOSH) - Certified Asbestos Consultant (CAC); a copy of this certification is provided in Appendix B. Building material samples were submitted to EMSL Analytical, Inc. (EMSL) for analysis by the EPA-suggested polarized light microscopy (PLM) method. EMSL is certified under the National Voluntary Laboratory Accreditation Program (NVLAP). The EMSL laboratory report and chain of custody record are provided in Appendix B.

A total of 14 suspect homogeneous areas (materials) were identified. Homogeneous materials are uniform in visual appearance (e.g., color, texture, and pattern) and apparently installed at one time. In general three bulk samples were collected from each suspect homogeneous material and submitted to the laboratory for analysis. This sampling protocol is in compliance with Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1926.1101. A total of 14 bulk samples were analyzed for asbestos content. Descriptions of the suspect homogeneous materials and a list of the collected samples are included in Table 1.

RES utilized limited-destructive inspection methods in performing this survey. Building materials were only minimally disturbed or removed for the purpose of exposing underlying or concealed materials as there were no conditions that appear to warrant additional action. Any additional SACM that are revealed during repair, renovation, remodel, or demolition activities should be assumed to be asbestos containing materials (ACM) and managed as such until properly sampled and analyzed.

Lead Containing Paint Survey

RES assessed the condition and estimated the quantity of painted areas in the survey area. All inspection and sampling activities were performed by Mr. Gerald L. Kwiat of RES, who is a State of California Department of Public Health (CDPH) Lead Inspector/Assessor; a copy of this certification is provided in Appendix B.

Paint chip samples were submitted to LA Testing for analysis by Flame Atomic Absorption Spectrometry (AAS). LA Testing is certified under the State of California Department of Public Health (CDPH) for lead testing analysis and the National Lead Laboratory Accreditation Program (NLLAP) for AAS lead analysis. A copy of the laboratory report is provided in Appendix B.

Two homogenous painted areas suspect for lead were identified during the survey. Homogenous painted areas are areas uniform in visual appearance (e.g., color, texture, and pattern) and were apparently applied at one time. One sample was collected from each painted suspect area and submitted to the laboratory. This sample protocol is in compliance with CDPH Title 17 CCR Sections 36,000 and 36,100 and CAL-DOSH lead-in-construction standards Title 8 CCR Section 1532.1. A total of two samples were collected and analyzed. Descriptions of the suspect homogeneous areas and a list of the collected samples are included in Table 3 (Paint Sample Results). A list of paints found to contain regulated amounts of lead and the approximate painted area are presented in Table 4, photographs of the materials are provided in Appendix A.

RES used minimally intrusive inspection methods in performing this survey. Building materials were only minimally disturbed or removed to expose underlying or concealed materials as additional actions did not appear warranted. Coatings were removed to the underlying substrate. Any additional suspect paint or surface coating materials that are revealed by repair, renovation, remodel, or demolition activities should be assumed to be lead-based paint and managed as such, until properly sampled and analyzed.

FINDINGS

Asbestos Survey

The descriptions and locations of the materials identified as SACM and listed in Table 1, those materials found to contain asbestos are summarized in Table 2. The sampling locations for those materials found to contain asbestos are

ROYAL ENVIRONMENTAL SERVICES, INC.

depicted on Figure 2 and photographs of asbestos containing material are presented in Appendix A. The following materials were found to contain asbestos and are now considered ACM:

- Gray/black pipe mastic (2113-5 and 2113-8) on the 20-inch fuel pipeline. This material likely underlies the concrete covering and patches along the entire 104 foot length (545 square feet).
- Gray pipe wrap (2113-11) on the 20-inch fuel pipeline at the joint with the concrete wall at west end of tunnel (3 square feet).
- Black large pipe wrap (2113-14) on the 20-inch fuel pipeline and attached 6-inch pipeline (40 square feet).

The Gray/black pipe mastic and gray pipe wrap are in good condition and have a low potential for future damage unless unqualified, non-certified asbestos abatement personnel attempt repairs or removal or disturbance such as would occur during building demolition or modifications. The Black large pipe wrap is in poor condition and has a low to moderate potential for future damage due to its exposed position in the access pit.

Lead Containing Paint Survey

RES found that only limited areas within the survey area were painted with the exception of two pipes and associated supports. Two painted areas in the survey area were suspect for lead-based paint and were identified and sampled. The sample ID, description, lead content and sample locations are summarized in Table 3, photographs of the materials are provided in Appendix A.

The following area was identified as not being lead-containing paint (vs. lead-based paint); having less than 0.06 % by weight or 600 parts per million (ppm); and do NOT appear to require further attention for demolition of the structures on this site:

- Blue copper paint on the ¾-inch copper pipe (2113-L1).

The area identified as having lead-containing paint equal to or greater than 0.06% by weight or 600 parts per million (ppm) as per Cal/OSHA for worker protection and/or LBP greater than or equal to the EPA threshold of 0.5 % by weight or 5,000 ppm, DO require abatement prior to remodeling, renovation or demolition. The description, locations, quantity, and condition assessment of the lead-containing and lead-based paint is summarized in Table 4, a photograph of the material is provided in Appendix A.

- Gray paint on 1-inch steel pipe, approximately 20 linear feet (2113-L2).

The gray paint is in poor condition and any loose, flaking, or otherwise damaged paint present must be removed prior to demolition and handled and disposed of as hazardous material. Once the paint is removed following lead-safe work practices, the pipe and support structures can be disposed of as construction debris during demolition activities.

REGULATORY SUMMARY

The National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 is promulgated by the EPA and regulates asbestos emissions that could originate from renovation or demolition of buildings. NESHAP specifies that any and all ACM must be professionally removed prior to demolition. NESHAP standards are enforced locally through the San Diego Air Pollution Control District (AQMD).

An asbestos abatement contractor that is asbestos-certified by both the California Contractors State License Board and the California Division of OSHA (Cal-OSHA) must conduct abatement of ACM. All abatement work must be completed in accordance with the Federal OSHA Asbestos Standard for the Construction Industry

(29 CFR 1926.1101) and the Cal-OSHA Asbestos Standard (Title 8 CCR 1529). A Certified Asbestos Consultant
ROYAL ENVIRONMENTAL SERVICES, INC.

(CAC), or a Site Surveillance Technician (SST) under the direction of a CAC, should be present during all abatement activities to retrieve air samples and insure adherence to federal, state, county, and local asbestos regulations and job specifications. Additional duties of a CAC or SST include: abatement project documentation, visual clearance inspections, air clearance sampling, and preparation of a 'final clearance' summary report. These items are of particular importance if building renovation or demolition is to be performed.

The CDPH and the United States Environmental Protection Agency (USEPA) stipulates what concentrations of lead in non-volatile components of surface coating or materials determine whether a material is considered LBP or lead-containing paint. The USEPA states that paint or other surface coatings that contain lead equal to or exceeding 1.0 milligram per square centimeter or 0.5% by weight or greater than 5,000 parts per million (ppm) constitutes LBP. Paint is considered lead-containing per Cal/OSHA for worker protection at a concentration equal to or greater than 0.06% by weight or 600 parts per million (ppm).

SOIL SAMPLING

To assist the Client with profiling of soil discolored with petroleum RES collected samples of the loose sand on the floor of the access pit and the tunnel floor approximately ten feet into the tunnel, at locations identified in Figure 2, and depicted in photographs included in Appendix A. RES collected samples for analysis and submitted them to a California State certified laboratory Calscience Environmental Laboratories, Inc. of Garden Grove California. The samples were analyzed for total petroleum hydrocarbons (TPH) with a carbon range of C6 through C36 (from gasoline to oil) by EPA Method 8015 Modified. Laboratory results are presented in Table 5. The sand sampled from the pit floor contained TPH at 35,000 mg/kg and the sand ten feet inside the tunnel contained TPH at 1,300 mg/kg. Based upon the limited sampling; sand more distant from the access pit likely contains lower or no concentrations of TPH. Based upon their petroleum content the materials represented by the samples collected are not a hazardous waste but must be managed as a petroleum containing special waste.

RECOMMENDATIONS

Asbestos

Asbestos containing materials should be removed by qualified personnel prior to demolition of the fuel pipeline. Any certified asbestos abatement contractors invited to submit bids for removal of the ACM from this site should personally verify quantities, condition, and locations of any and all ACM that may be in these structures, prior to bidding, at a pre-bid 'job walk', which should be conducted when the site is completely accessible.

Lead Containing Paint

The gray paint found on the steel pipe was found to exhibit loose, flaky, and/or otherwise damaged lead based paint and requires abatement prior to demolition or handling for metal recycling. Where other metal structures in the access pit have gray paint it is likely LBP and should abated as well prior to demolition. RES recommends that a California licensed contractor certified by the CDPH as a lead abatement company be retained to accomplish this abatement work.

If the demolition contractor has conducted appropriate air sampling within the past 12 months under similar site conditions, this may qualify as meeting the intent of the standard under CCR Title 8, Section 1532.1 (d) and the selection of personal protection equipment (PPE) may be determined on this basis, in the absence of a new exposure assessment.

The contractor should confirm the area and quantities of lead containing paint above 0.06% by weight or 600 ppm of lead and all damaged LBP quantities present prior to bid submittals and initiating demolition activities at the subject site. The contractor is also responsible for waste characterization for all materials removed from the subject site during abatement. The contractor should use appropriate controls and/or personal protective equipment (PPE) when handling these materials.

Petroleum Impacted Soil

The sampling performed indicates the sand in the bottom of the access pit and tunnel are impacted with TPH. Sand farther from the access pit may not be impacted with TPH and can be left in place.

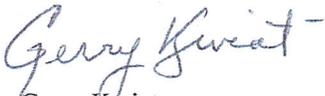
CONDITIONS AND LIMITATIONS

RES strove to perform the tasks above in a thorough and professional manner consistent with industry standards at the time the work was performed by a certified professional. It should be noted that SACM, lead containing paints and coatings can be hidden from view, concealed beneath coverings, or in unusual areas resulting from past remodeling of structures. RES strove to discover these materials; however building materials were only minimally disturbed or removed for the purpose of exposing underlying or concealed materials as there were no conditions that appeared to warrant additional action.

The results reported and any opinions reached by RES are for the benefit of the Client and are valid as of the date of this report. RES assumes no obligation to advise you of any changes that may later be brought to our attention.

RES appreciates the opportunity to provide Argus Contracting LP with professional consulting services. We look forward to being of continued service to you. If you have any questions or comments, please contact the undersigned at (619) 985-6363.

Sincerely,
Royal Environmental Services, Inc.



Gerry Kwiat
Certified Asbestos Consultant #94-1561
CDPH Lead Inspector/Assessor, LPM #44



John Royal
Principal Scientist

Attachments:

- Figure 1-Survey Area Map
- Figure 2-Sample Location Map
- Table 1: Suspect Asbestos Containing Materials
- Table 2: Asbestos Containing Materials
- Table 3: Suspect Lead-Based Paint Sample Results
- Table 4: Summary of Lead-Containing Paint and Lead-Based Paint
- Table 5: Soil Sample Analytical Results
- Appendix A-Photographs
- Appendix B- RES Inspector Certifications, Laboratory Reports with Chain of Custody Records
Lead Hazard Evaluation Report



Reference: Google Earth

ROYAL
Environmental Services Inc.
 4704 50th Street, San Diego, California 92115

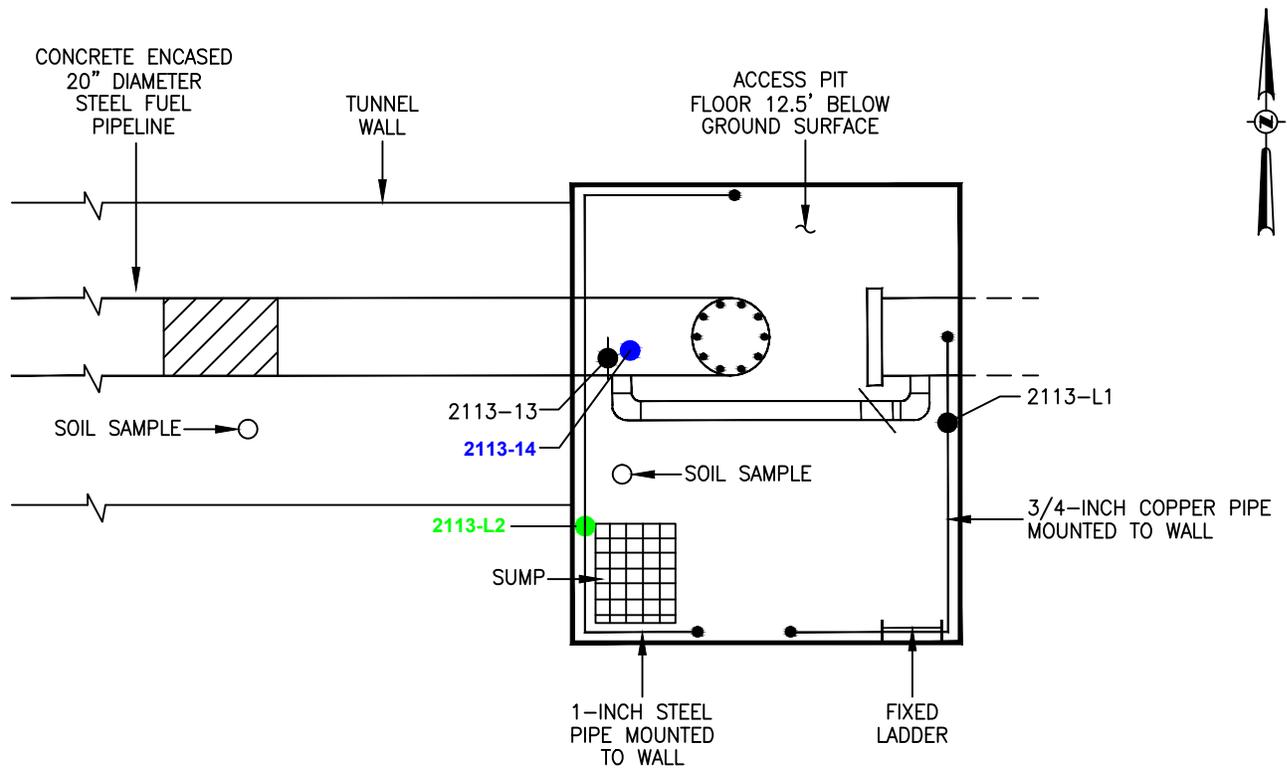
SITE LOCATION MAP

Client:

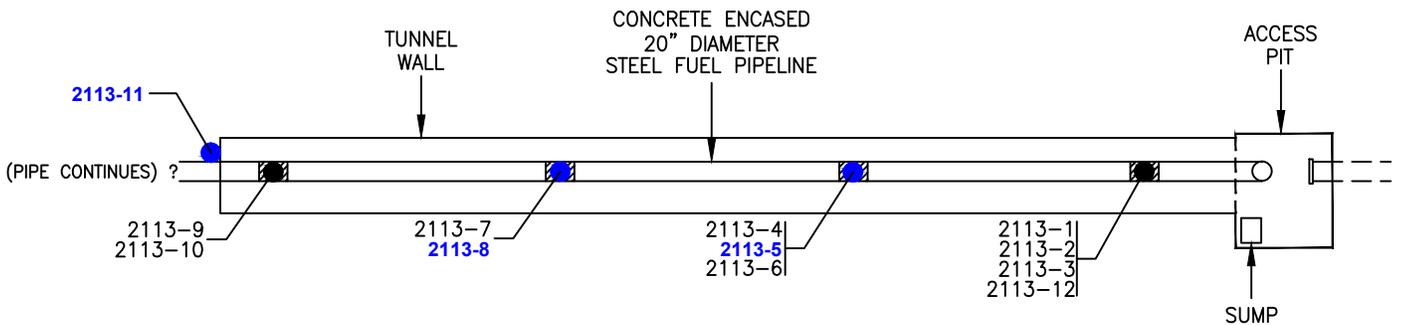
ENCINA POWER PLANT
 MARINE TERMINAL
 ARGUS CONTRACTING, LP

Drawn By: LEC
 Checked By: JWR
 Acad File No.: asbmap_marine_terminal.dwg
 Project No.:

Date: 2/2013
 Figure No.:
1



DETAIL VIEW
Scale: 1"=5'



PLAN VIEW
Scale: 1"=20'

LEGEND

- 2113-L1 ● PAINT SAMPLE WITH <600 ppm LEAD CONTENT
- 2113-L2 ● PAINT SAMPLE WITH >600 ppm LEAD CONTENT
- 2113-11 ● ASBESTOS CONTAINING SAMPLE
- 2113-9 ● SAMPLE WITH DETECTABLE ASBESTOS
- ▨ CEMENT PATCH AT PIPE JOINTS

ROYAL
Environmental Services Inc.
4704 50th Street, San Diego, California 92115

SAMPLE LOCATION MAP FOR ASBESTOS AND PAINT SAMPLES

ENCINA POWER PLANT
MARINE TERMINAL
Client: ARGUS CONTRACTING, LP

Drawn By:	LEC	Date:	2/2013
Checked By:	JWR	Figure No.:	2
Acad File No.:	asbmap marine terminal.dwg		
Project No.:			

**Table 1: Sample Results for Asbestos
4600 Carlsbad Boulevard, Carlsbad, CA**

Sample ID	Homogeneous Material Description	Asbestos Content	Sample Location
2113-1	Gray main line concrete	ND	Concrete covering of fuel pipeline
2113-2	Gray pipe joint patch	ND	Concrete patch on fuel pipeline joint
2113-3	Gray/black pipe mastic	ND	Mastic and fibrous material present at first patch from access pit
2113-4	Gray main line concrete	ND	Concrete covering of fuel pipeline
2113-5	Gray/black pipe mastic	2%	Mastic and fibrous material present at second patch from access pit
2113-6	Gray pipe joint patch	ND	Concrete patch on fuel pipeline joint
2113-7	Gray pipe joint patch	ND	Concrete patch on fuel pipeline joint
2113-8	Black pipe mastic	4%	Mastic and fibrous material present at third patch from access pit
2113-9	Gray pipe joint patch	ND	Concrete patch on fuel pipeline joint
2113-10	Gray main line concrete	ND	Concrete covering of fuel pipeline
2113-11	Gray pipe wrap	30%	Pipe and concrete joint on west end of tunnel
2113-12	Brown patch debris on soil	ND	Patch debris on soil below patch at first patch from access pit
2113-13	Cream small pipe wrap and cover	ND	Control piping above fuel oil pipeline in access pit.
2113-14	Black large pipe wrap	5%	Mastic and fibrous material present at first patch from access pit

ND=None detected

NA= Not analyzed

%=Percent Asbestos content

**TABLE 2: Summary of Asbestos-Containing Materials
4600 Carlsbad Boulevard, Carlsbad, CA**

Asbestos-Containing Material Description	Location(s) of Material	Estimated Quantity in Square feet (SF)	Asbestos Content	NESHAP Category	Friable/ Non-friable	Condition	Disturbance potential
Gray/black pipe mastic (2113-5)	Mastic and fibrous material present at second patch from access pit.*	545	2%	I	Non-Friable	Good	Low
Black pipe mastic (2113-8)	Mastic and fibrous material present at third patch from access pit.*	545	4%	I	Non-Friable	Good	Low
Gray pipe wrap (2113-11)	Pipe and concrete joint at west end of tunnel.	3	30%	I	Non-Friable	Good	Low
Black large pipe wrap (2113-14)	Mastic and fibrous material present on 20-inch and 6-inch fuel oil pipe in access pit.	40	5%	I	Non-Friable	Poor	Moderate

NESHAP =National Emissions Standard for Hazardous Air Pollutants

RACM = Regulated Asbestos Containing Material.

*=Area estimate based upon the mastic and fibrous material underlying the uniform concrete coating along full length of fuel pipeline.

**Table 3: Paint Sample Results for Lead in PPM
4600 Carlsbad Boulevard, Carlsbad, CA**

Sample ID	Homogeneous Material Description	Lead Content (ppm)	Sample Location
2113-L1	Initial box, on wall, blue copper paint	390 ppm	Access pit
2113-L2	Initial box, on wall, gray pipe	49,000 ppm	Access pit

Notes: Blue highlight indicates lead-based paint, based on the USEPA lead level greater than or equal to 0.5 % weight or 5,000 ppm.

**Table 4: Summary of Lead Containing and Lead Based Paint in PPM
4600 Carlsbad Boulevard, Carlsbad, CA**

Lead Based Paint Description	Location(s) of Material	Estimated Quantity (Ft2)	Lead Content (ppm)	Condition	Disturbance Potential
2113-L2	Initial box, on wall gray pipe and copper pipe	20 Linier Feet	49,000	Poor	High

Notes: Blue highlight indicates lead-based paint, based on the USEPA lead level greater than or equal to 0.5 % weight or 5,000 ppm.

**Table 5: Encina Power Plant Marine Terminal Soil Samples in mg/kg
4600 Carlsbad Boulevard, Carlsbad, CA**

Sample ID	Location	Total Petroleum Hydrocarbons (C6-C36)
Pit Floor	Access pit floor	35,000
Tunnel Floor	Tunnel floor at first pipe patch	1,300

Appendix A-Photographs



Photograph 1: View of Access pit looking west, 20-inch fuel oil pipe in tunnel, control piping and valves. 1-inch steel pipe with gray lead based paint represented by sample 2113 L-2 on wall in upper left and across top of view.



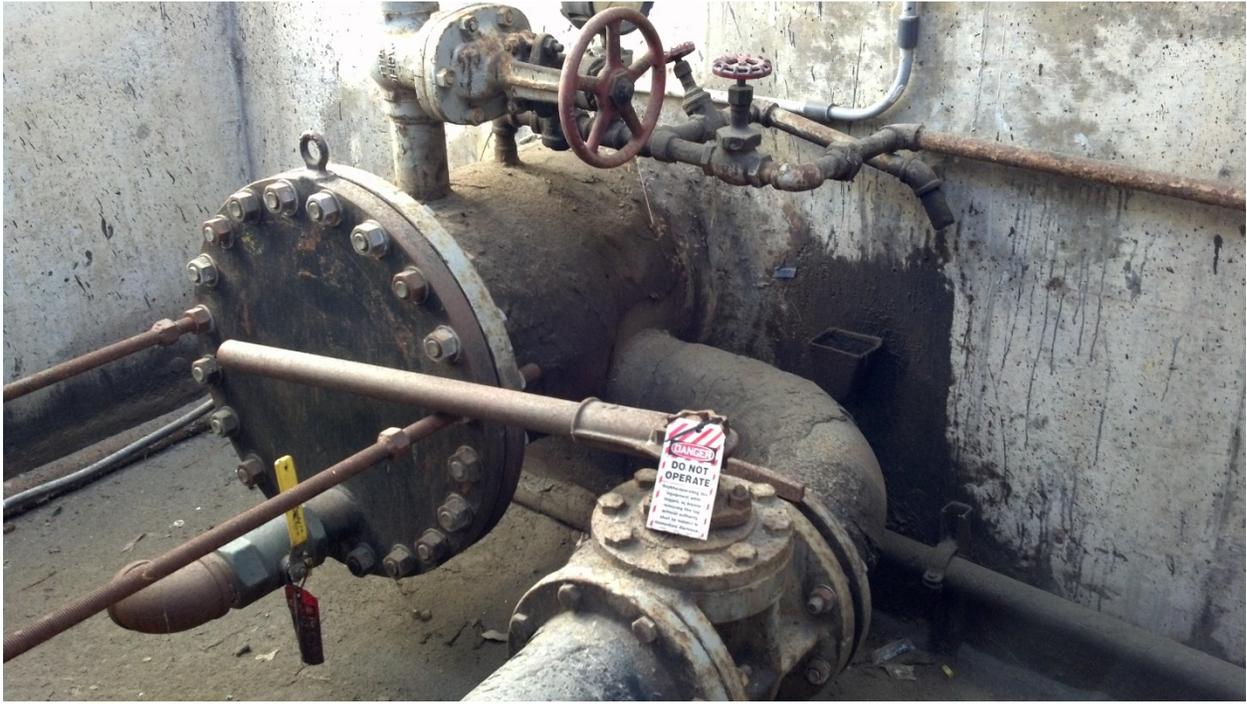
Photograph 2: View of Access pit looking south, fuel oil pipe, control piping, valves, and sump.



Photograph 3: View of Access pit looking east, fuel oil pipe, control piping and valves. Access ladder on upper right of photograph.



Photograph 4: View of sump and accumulated sand on bottom of access pit with petroleum hydrocarbon content.



Photograph 5: View of fuel oil pipe transition through east wall of access pit, control piping and valves. Asbestos containing pipe wrap represented by sample 2113-14



Photograph 6: View of fuel oil pipe in tunnel on west side of access pit, control piping and valves. Black asbestos containing pipe wrap represented by sample 2113-14. Soil sample "tunnel floor" collected below pipe patch in upper left of view.



Photograph 7: View of fuel oil pipe in tunnel west of access pit. Uniform concrete coating and representative concrete joint patch in foreground. Asbestos containing pipe wrap in joint of patch represented by sample 2113-5 and 2113-8.



Photograph 8: View of Fibrous mineral pipe wrap at penetration of fuel oil pipe and concrete wall at western end of tunnel in center of view. Asbestos containing pipe wrap represented by sample 2113-11.

Appendix B
RES Inspector Certifications
Laboratory Reports with Chain of Custody Records
Lead Hazard Evaluation Report (CDPH Form 8552 6/07)

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health

Asbestos Unit

2424 Arden Way, Suite 485

Sacramento, CA 95825-2417

(916) 574-2993 Office (916) 483-0572 Fax

<http://www.dir.ca.gov/dirdatabases.html>actu@dir.ca.gov

412161561C

100

November 15, 2012

Gerald L Kwiat'
7420 Stanford Avenue
La Mesa ' CA 91942-9121

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

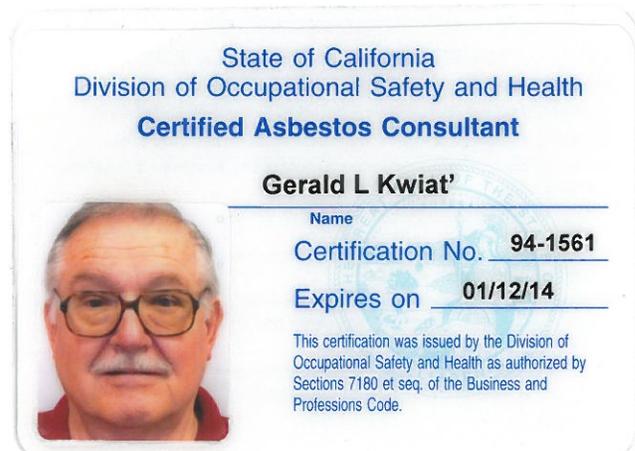
Please contact our office at the above address, fax number or email; of any changes in your contact/ mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File



Mr. Gerald L. Kwiat
Quality Inspection Service
7420 Stanford Avenue
La Mesa, California 91942-9121





EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A, San Diego, CA 92111
Phone/Fax: 858-499-1303 / (858) 499-1304
<http://www.emsl.com> sandiegolab@emsl.com

EMSL Order: 431300225
CustomerID: RYES34
CustomerPO:
ProjectID:

Attn: **John Royal**
Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115

Phone: (619) 985-6363
Fax:
Received: 02/01/13 12:25 PM
Analysis Date: 2/4/2013
Collected:

Project: **Encina**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
2113-1 431300225-0001	Main Line Concrete(MLC)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-2 431300225-0002	Pipe Joint Patch (PJP)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-3 431300225-0003	Pipe Mastic (PM)	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-4 431300225-0004	MLC	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-5 431300225-0005	PM	Gray/Black Fibrous Homogeneous	8% Cellulose	90% Non-fibrous (other)	2% Chrysotile
2113-6 431300225-0006	PJP	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-7 431300225-0007	PJP	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-8 431300225-0008	PM	Black Fibrous Heterogeneous	8% Cellulose	88% Non-fibrous (other)	4% Chrysotile

Analyst(s)
Rebecca Luu (14)

Michelle LaVallee, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 02/04/2013 11:21:09



EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A, San Diego, CA 92111

Phone/Fax: 858-499-1303 / (858) 499-1304

<http://www.emsl.com>

sandiegolab@emsl.com

EMSL Order: 431300225

CustomerID: RYES34

CustomerPO:

ProjectID:

Attn: **John Royal**
Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115

Phone: (619) 985-6363

Fax:

Received: 02/01/13 12:25 PM

Analysis Date: 2/4/2013

Collected:

Project: **Encina**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
2113-9 431300225-0009	PJP	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-10 431300225-0010	MLC	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-11 431300225-0011	Pipe wrap	Gray Fibrous Homogeneous		70% Non-fibrous (other)	30% Chrysotile
2113-12 431300225-0012	patch debris on sort	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2113-13 431300225-0013	small pipe wrap and cover	Cream Fibrous Heterogeneous	15% Synthetic 80% Min. Wool	5% Non-fibrous (other)	None Detected
2113-14 431300225-0014	large pipe wrap	Black Non-Fibrous Homogeneous	10% Cellulose	85% Non-fibrous (other)	5% Chrysotile

Analyst(s)

Rebecca Luu (14)

Michelle LaVallee, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 02/04/2013 11:21:09



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

#431300225

EMSL ANALYTICAL, INC.
7916 CONVOY COURT
SAN DIEGO, CA 92111
PHONE: (858)-499-1303
FAX: (858)-499-1304

Company: Royal Environmental Services Inc. EMSL-Bill to: Same Different
 If Bill to is Different note instructions in Comments**
 Street: 4704 50th street Third Party Billing requires written authorization from third party
 City: San Diego State/Province: Ca Zip/Postal Code: Country:
 Report To (Name): John Royal Fax #:
 Telephone #: 619 985 6363 Email Address: Royalenvironmental@cox.net
 Project Name/Number: ENCING

Please Provide Results: Fax Email Purchase Order: U.S. State Samples Taken:
 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 hr through 6 hr, 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 EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <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%)	TEM - Air <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 TEM - Bulk <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 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <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) Other: <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
	<u>See Reverse.</u>		

Client Sample # (s): Total # of Samples:
 Relinquished (Client): Gerald J. Giviat Date: 2/1/13 Time: 1225
 Received (Lab): [Signature] Date: 2/1/13 Time: 12:25 pm (WJ)
 Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
7916 CONVOY COURT
SAN DIEGO, CA 92111
PHONE: (858) 499-1303
FAX: (858) 499-1304

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2113-1	Man Line Concrete (MLC)	HA	2/1/13
2113-2	Pipe joint Patch (PJP)		↓
2113-3	Pipe mastic (PM)		
2113-4	MLC		
2113-5	PM		
2113-6	PJP		
2113-7	PJP		
2113-8	PM		
2113-9	PJP		
2113-10	MLC		
2113-11	Pipe wrap and cover		
2113-12	Small pipe patch debris on soil		
2113-13	Small pipe wrap and cover		
2113-14	Large pipe wrap		
*Comments/Special Instructions:			



LA Testing

11652 Knott Street Unit F5, Garden Grove, CA 92841

Phone/Fax: (714) 828-4999 / (714) 828-4944

losalamitoslab@latesting.com

LA Testing Order: 331301643

CustomerID: RYES34

CustomerPO:

ProjectID:

Attn: **John Royal**
Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115

Phone: (619) 985-6363
Fax:
Received: 02/04/13 10:05 AM
Collected: 2/1/2013

Project: Encina

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0001	2/5/2013	100 ppm	390 ppm	Site: Initial Box on Wall Blue Copper Paint
<i>Client Sample</i> 2113-L1				<i>Collected:</i> 2/1/2013
0002	2/5/2013	2000 ppm	49000 ppm	Site: Initial Box On Wall Gray Pipe Copper Pipe on Wall
<i>Client Sample</i> 2113-L2				<i>Collected:</i> 2/1/2013

Michael Chapman, Laboratory Manager
or other approved signatory

Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--ELLAP Accredited #101650, CA ELAP 1406

Initial report from 02/05/2013 11:06:37

Test Report PB w/RDL-7.26.0 Printed: 2/5/2013 11:06:37 AM



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

#331301643

EMSL ANALYTICAL, INC.
7916 CONVOY COURT
SAN DIEGO, CA 92111
PHONE: (858) 499-1303
FAX: (858) 499-1304

Company: Royal Environmental Services Inc EMSL-Bill to: Same Different
 Street: 4704 50th street If Bill to is Different note instructions in Comments**
 City: San Diego State/Province: CA Zip/Postal Code: _____ Country: _____
 Report To (Name): John Royal Fax #: _____
 Telephone #: 619 985 6363 Email Address: RoyalEnvironmental@cox.net
 Project Name/Number: Encina
 Please Provide Results: Fax Email Purchase Order: _____ U.S. State Samples Taken: _____

Turnaround Time (TAT) Options* - Please Check
 3 Hours 6 Hours 24 Hours 48 Hours 3 Days 4 Days 5 Days 10 Days
 *Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> mg/cm ² <u>PPM</u> <input type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW86-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>

Other: _____ Preservation Method (Water): _____
 Name of Sampler: Gerald L Kwiat Signature of Sampler: Gerald L Kwiat

Sample #	Location	Volume/Area	Date/Time Sampled
2113-L1	INITIAL BOX ON WALL 'Blue COPPER PAINT		2-11-13 NOON
2113-L2	INITIAL BOX ON WALL GRAY PIPE COPPER PIPE ON WALL		↓

Client Sample #'s: _____ Total # of Samples: two

Relinquished (Client): Gerald Kwiat Date: 2-1-13 Time: NOON

Received (Lab): _____ Date: 2/1/13 Time: 12:25 pm (WT)

Comments: _____
 Received: [Signature] 2-4-13 10:05am



CALSCIENCE

WORK ORDER NUMBER: 13-02-0084

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Royal Environmental Services, Inc.

Client Project Name: Encina

Attention: John Royal
4704 50th Street
San Diego, CA 92115-2021

Approved for release on 02/8/2013 by:
Don Burley
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.

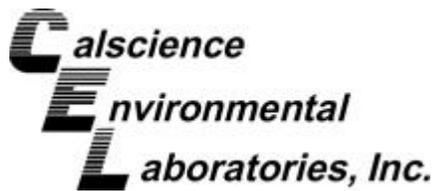




Contents

Client Project Name: Encina
Work Order Number: 13-02-0084

1	Client Sample Data	3
	1.1 EPA 8015B (M) C6-C36 (Solid)	3
2	Quality Control Sample Data	5
	2.1 MS/MSD and/or Duplicate	5
	2.2 LCS/LCSD	6
3	Glossary of Terms and Qualifiers	7
4	Chain of Custody/Sample Receipt Form	8



Analytical Report



Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115-2021

Date Received: 02/01/13
Work Order No: 13-02-0084
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: Encina

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Pit Floor	13-02-0084-1-A	02/01/13 11:00	Solid	GC 47	02/05/13	02/06/13 03:55	130205B01B

Comment(s): -The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	150	30		C19-C20	5600	150	30	
C7	ND	150	30		C21-C22	5600	150	30	
C8	ND	150	30		C23-C24	6000	150	30	
C9-C10	ND	150	30		C25-C28	4800	150	30	
C11-C12	ND	150	30		C29-C32	4300	150	30	
C13-C14	ND	150	30		C33-C36	1800	150	30	
C15-C16	710	150	30		C6-C36 Total	35000	150	30	
C17-C18	5800	150	30						
Surrogates:	REC (%)	Control Limits	Qual						
n-Octacosane	121	61-145							

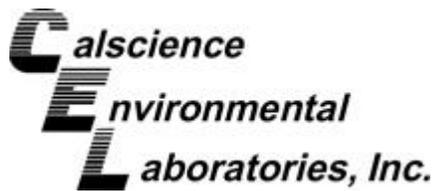
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Tunnel Floor	13-02-0084-2-A	02/01/13 11:05	Solid	GC 47	02/05/13	02/06/13 04:11	130205B01B

Comment(s): -The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	25	5		C19-C20	180	25	5	
C7	ND	25	5		C21-C22	210	25	5	
C8	ND	25	5		C23-C24	230	25	5	
C9-C10	ND	25	5		C25-C28	220	25	5	
C11-C12	ND	25	5		C29-C32	230	25	5	
C13-C14	ND	25	5		C33-C36	140	25	5	
C15-C16	ND	25	5		C6-C36 Total	1300	25	5	
C17-C18	75	25	5						
Surrogates:	REC (%)	Control Limits	Qual						
n-Octacosane	100	61-145							

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115-2021

Date Received: 02/01/13
Work Order No: 13-02-0084
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: Encina

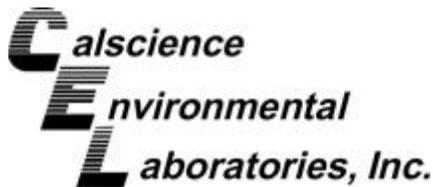
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-15-488-37	N/A	Solid	GC 47	02/05/13	02/05/13 23:27	130205B01B

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1		C19-C20	ND	5.0	1	
C7	ND	5.0	1		C21-C22	ND	5.0	1	
C8	ND	5.0	1		C23-C24	ND	5.0	1	
C9-C10	ND	5.0	1		C25-C28	ND	5.0	1	
C11-C12	ND	5.0	1		C29-C32	ND	5.0	1	
C13-C14	ND	5.0	1		C33-C36	ND	5.0	1	
C15-C16	ND	5.0	1		C6-C36 Total	ND	5.0	1	
C17-C18	ND	5.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
n-Octacosane	110	61-145							

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Royal Environmental Services, Inc.
 4704 50th Street
 San Diego, CA 92115-2021

Date Received: 02/01/13
 Work Order No: 13-02-0084
 Preparation: EPA 3550B
 Method: EPA 8015B (M)

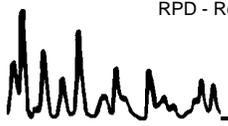
Project Encina

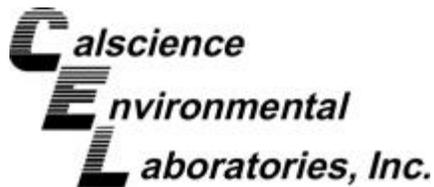
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-02-0065-7	Solid	GC 47	02/05/13	02/06/13	130205S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	ND	400.0	514.3	129	541.4	135	64-130	5	0-15	3

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Royal Environmental Services, Inc.
4704 50th Street
San Diego, CA 92115-2021

Date Received: N/A
Work Order No: 13-02-0084
Preparation: EPA 3550B
Method: EPA 8015B (M)

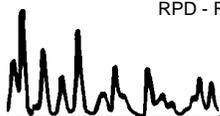
Project: Encina

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-488-37	Solid	GC 47	02/05/13	02/05/13	130205B01B

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	400.0	338.0	85	348.3	87	75-123	3	0-12	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



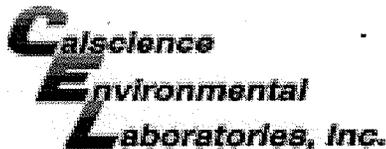
Work Order Number: 13-02-0084

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





WORK ORDER #: 13-02-0084

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ROYAL

DATE: 02/01/13

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C - 6.0°C, not frozen except sediment/tissue)
Temperature 1.8°C - 0.2°C (CF) = 1.6°C [X] Blank [] Sample
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [] Air [] Filter Initial: [Signature]

CUSTODY SEALS INTACT:
[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A Initial: [Signature]
[] Sample [] _____ [] No (Not Intact) [X] Not Present Initial: [Signature]

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [] No [] N/A
COC document(s) received complete..... [X] Yes [] No [] N/A
[] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[] No analysis requested. [] Not relinquished. [] No date/time relinquished.
Sampler's name indicated on COC..... [X] Yes [] No [] N/A
Sample container label(s) consistent with COC..... [X] Yes [] No [] N/A
Sample container(s) intact and good condition..... [X] Yes [] No [] N/A
Proper containers and sufficient volume for analyses requested..... [X] Yes [] No [] N/A
Analyses received within holding time..... [X] Yes [] No [] N/A
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours... [] Yes [] No [X] N/A
Proper preservation noted on COC or sample container..... [] Yes [] No [X] N/A
[] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [] Yes [] No [X] N/A
Tedlar bag(s) free of condensation..... [] Yes [] No [X] N/A

CONTAINER TYPE:
Solid: [] 4ozCGJ [X] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [] VOA h [] VOA na2 [] 125AGB [] 125AGB h [] 125AGB p [] 1AGB [] 1AGB na2 [] 1AGBs
[] 500AGB [] 500AGJ [] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [] 1PB [] 1PB na [] 500PB
[] 250PB [] 250PB n [] 125PB [] 125PB z n n a [] 100PJ [] 100PJ na2 [] _____ [] _____ [] _____
Air: [] Tedlar® [] Canister Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: [Signature]
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: [Signature]
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure z n n a: ZnAc2+NaOH f: Filtered Scanned by: [Signature]

Return to Contents

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 2/1/13

Section 2 – Type of Lead Hazard Evaluation (Check one box only)

Lead Inspection Risk assessment Clearance Inspection Other (specify) _____

Section 3 – Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
4600 Carlsbad Blvd.		Carlsbad	San Diego	92008
Construction date (year) of structure	Type of structure		Children living in structure?	
Unknown	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input checked="" type="checkbox"/> Other <u>Utility Tunnel</u>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	

Section 4 – Owner of Structure (if business/agency, list contact person)

Name		Telephone number	
NRG		310 505 8049-Forman	
Address [number, street, apartment (if applicable)]		City	State
4600 Carlsbad Blvd.		Carlsbad	CA
			Zip Code
			92008

Section 5 – Results of Lead Hazard Evaluation (check all that apply)

No lead-based paint detected Intact lead-based paint detected Deteriorated lead-based paint detected
 No lead hazards detected Lead-contaminated dust found Lead-contaminated soil found Other _____

Section 6 – Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Gerald Kwiat		619 985 6363	
Address [number, street, apartment (if applicable)]		City	State
4704 50th		San Diego	CA
			Zip Code
			92115
CDPH certification number	Signature	Date	
IA #44	<i>Gerald J. Kwiat</i>	2/14/2013	

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

NA

Section 7 – Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656