

Construction Services, Inc.

1550 Wallace Avenue, San Francisco, CA 94124, Phone (415) 822-4555 FAX (415) 822-5290 Corporate Offices 5200 Redwood Highway South, Petaluma, CA 94952 Phone (707) 766-9511 FAX (707) 766-9049

UNDERGROUND STORAGE TANK REMOVAL

1244 2nd AVENUE OAKLAND, CALIFORNIA

January 18, 2016

LWCS 15-232

Prepared for:

1244 - 2nd Avenue LLC

Prepared by:

George Wilson



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INTRODUCTION

At the request of Trent Moore, Managing Member, 1244 2nd Avenue LLC, L & W Construction Services, Inc. (L&W) removed one 1000-gallon Underground Storage Tank (UST) from 1244 2nd Avenue, Oakland, California (Figure 1- Vicinity Map). The 1000-gallon UST was used to store heating oil. UST removal activities were performed in accordance with the UST Removal Regulations of the Alameda County Department of Environmental Health – Certified Unified Program Agency (ACDEH-CUPA) and the Oakland Fire Prevention Bureau (OFPB). The UST was dismantled, decontaminated and transported to a recycling facility.

BACKGROUND

This mixed use residential/commercial structure is located on the southeast side of 2nd Avenue in Oakland, California. The 1000-gallon UST was located beneath the sidewalk on International Boulevard on the southeast side of the Site structure. The UST dimensions were four feet in diameter by ten feet in length. The top of the UST was approximately eight feet below surface grade.

Installation date of this UST is unknown. The building was constructed in the 1910's. The UST that was removed appears to have been abandoned for a very long time. The vent pipe had been removed and natural gas was made available to the neighborhood in the 1950's. It is therefore assumed that the UST has not been used for over 50 years. No known prior investigations have been conducted pertaining to the site UST.

UST REMOVAL

The Underground Storage Tank Closure Permit Application was approved by the Alameda County Division of Hazardous Materials of ACDEH-CUPA on October 22, 2015 and received by L&W on November 2, 2015. Excavation Permit Number X1502527, dated November 4, 2015, was obtained from the City of Oakland Building and Planning Department for excavation of the tank. Permit copies are found in Appendix A.

During the process of excavation to uncover the UST, contaminated soil was encountered approximately three feet above the tank. Dark black oil was seeping in from the sides of the excavation not resembling the light diesel oil contained in the tank.

www.lw-construction.com
General Engineering Contractors License No. 507442

Covered debris bins were utilized for temporary storage of this contaminated soil on site.

On November 20, 2015, 950 gallons of light oil were pumped out of the tank. The tank was triple rinsed. The piping to the tank was opened and rinsed with soap and water under high pressure during tank cleaning. The piping rinsate was flushed back into the UST. The product and rinsate were removed from the UST under State Waste Manifest Document Number 014378668 by NRC Environmental Services of Alameda, California. A copy of this manifest is found in Appendix B.

The UST site was inspected on December 7, 2015 and it was discovered that groundwater had intruded into the excavation submerging the tank by three feet. Soil was caving into the excavation due to groundwater intrusion. The timber shoring originally installed in the excavation was removed and an aluminum trench box installed due to this intrusion of groundwater and caving soil.

A vacuum truck was scheduled for the morning of the tank removal, December 8, 2015, to remove groundwater to allow for sample collection and tank removal. During the removal of the groundwater it was documented that heavy petroleum was floating on the water in small areas. Heavy petroleum was commonly used at the time the building was constructed. It is assumed this was from the groundwater passing through contaminated soil beneath and on the sides of the UST. After approximately two hours of vaccuuming water from the excavation, the UST was removed from the excavation with the approval of Steven Plunkett (ACDEH-CUPA) and in the presence of Sheryl Skillern, inspector with the Oakland Fire Prevention Bureau.

The UST was subsequently transported to Circosta Iron and Metal Company of San Francisco, California, for recycling. A copy of the weighmaster certificate documenting the recycling of the UST is provided in Appendix B. The piping was cut and capped and the vent line was removed.

It appears that contaminated soil is present outside of the shoring box paralleling International Boulevard.

As a corrective action, a total of 60 to 90 tons of over-excavated soil was removed during tank excavation activities and transported to Newby Island Landfill for disposal. The exact tonnage will be verified upon receipt of the weight tickets from the landfill. An additional 600 gallons of impacted groundwater was vacuumed from the excavation to secure the site on December 9, 2015. A total of 2800 gallons of impacted groundwater was transported to River Bank Oil Transfer of Riverbank, California under State Waste Manifest Document Number 014378654 by NRC Environmental Services of Alameda, California. A copy of this manifest is found in Appendix B. A groundwater sample was collected after additional groundwater removal. A soil sample was collected to profile the material for off-site disposal to elimate a nuisance condition.

SAMPLING ACTIVITIES

Initial groundwater sampling was performed on December 8, 2015. After the UST was removed, groundwater continued to be vacuumed from the excavation. Steven Plunkett of ACDEH-CUPApointed out an area where water was intruding and a water sample was collected under his supervison in a VOA vial. The inspector did not direct the collection of soil samples at this time due to very shallow water conditions.

A second groundwater sample was collected on December 9, 2015 after removal of additional groundwater from the excavation.

The water samples were collected in a 40 ml glass vials. Following collection, the water samples were properly labeled and placed in a chilled cooler to preserve the samples until delivery to the analytical laboratory. Chain of Custody protocol was followed during sampling procedures and transport to the selected testing laboratory.

LABORATORY ANALYSIS

The water samples were sent to A&R Laboratories of Ontario, California, a state certified laboratory, for analysis.

The water samples were analyzed for:

Diesel Range Hydrocarbons TPHd, TPHg and Motor Oil by Method

BTEX & Naphthalene by EPA Method 8260B VOCs & Oxygenates by EPA Method 8260B

Semi-VOCs by EPA Method 8270C

PCBs by EPA Method 8082

LUFT 5 Metals by EPA Method 6010B

LABORATORY ANALYTICAL RESULTS

The laboratory analytical results are presented in Table 1. Copies of the Chain of Custody forms and all laboratory data sheets are presented in Appendix C. Positive results are as follows:

Analysis of the water sample (15-232GW) collected on December 8, 2015 from the UST excavation indicated no detection of BTEX above minimum laboratory reporting limits. Naphthalene was reported at a concentration of 380 micrograms per liter (ug/L). TPHd was reported at a concentration of 50,000 ug/L and TPHg was reported at a concentration of 280,000 ug/L. Chromium was reported at a concentration of 0.19 mg/L, Nickel was reported at a concentration of 0.38 mg/L and Zinc was reported at a concentration of 1.8 mg/L.

Analysis of the water sample (15-232GW-2) collected on December 9, 2015 after pumping of groundwater from the UST excavation indicated no detection of BTEX, TPH as Motor Oil or Naphthalene above minimum laboratory reporting limits. TPHd was reported at a concentration of 20,000 ug/L and TPHg was reported at a concentration of 120,000 ug/L. Chromium was reported at a

concentration of 0.15 mg/L, Nickel was reported at a concentration of 0.2 mg/L and Zinc was reported at a concentration of 1.5 mg/L.

BACKFILL

Based on Pangea's soil and groundwater excavation and the statement from Bob Clark-Riddell, consulting Professional Engineer, after his conversations with Alameda County Environmental Health personnel that no further excavation would be required due to fluctuations in groundwater and the potential to increase soil fluffing. To mitigate the potential for further problems, 24.34 tons of pea gravel was placed in the excavation up to the groundwater high water mark. 15.5 yards of control density fill (CDF) was then used to backfill the remainder of the excavation to achieve 100% compaction.

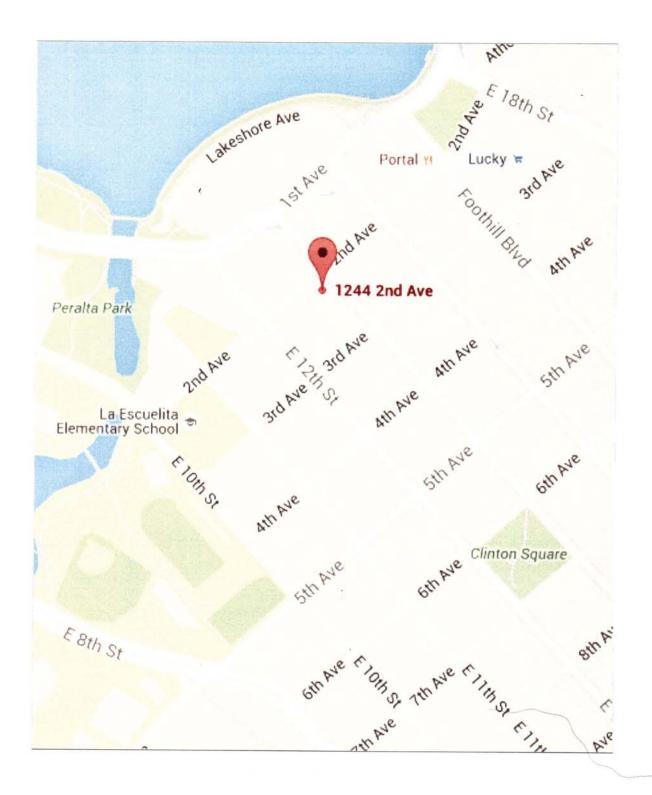
CONCLUSION

L&W concludes that a release of heavy petroleum hydrocarbons used as heating oil has occurred at this site at the UST location. L&W understands that ACDEH-CUPA will forward the UST Removal Report to the ACDEH-Local Oversight Program (ACDEH-LOP). This appears to be a very old release of a relatively immobile heavy petroleum substance.

EXCLUSION

L&W assumes no responsibility or liability for the reliance hereon or hereof of the information contained in this report by anyone other than the party to whom it is addressed.



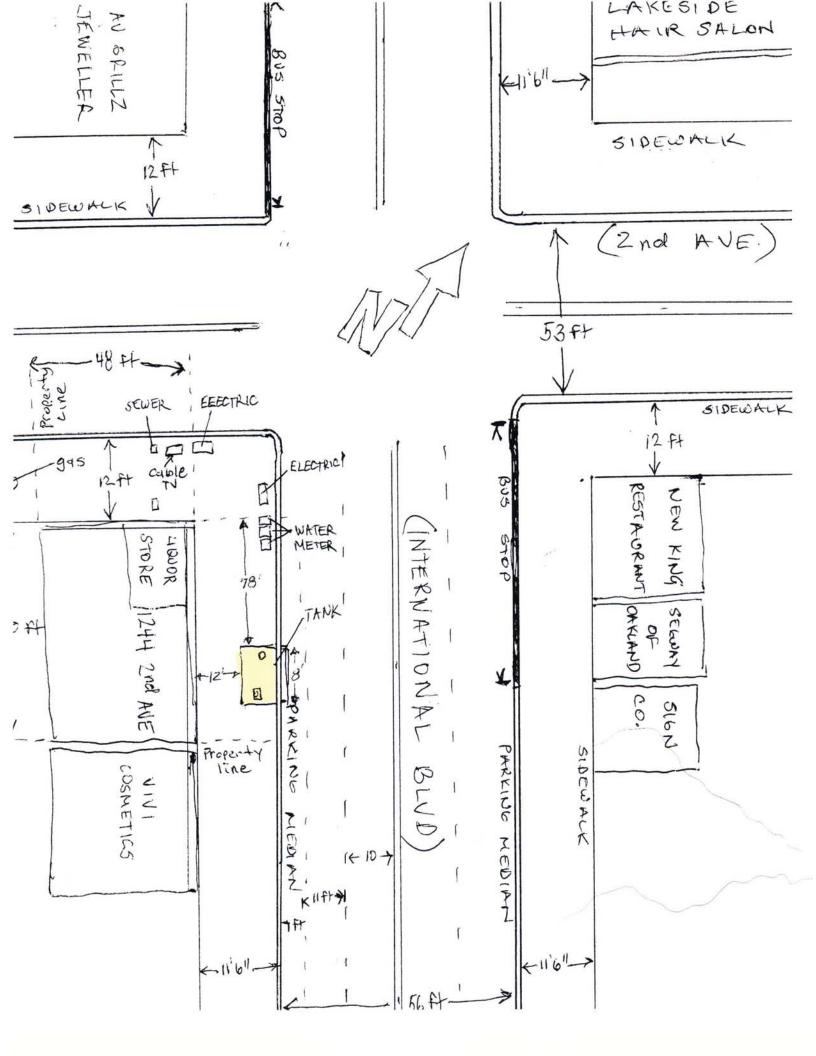


L&W Construction Services, Inc. 1550 Wallace Avenue San Francisco, CA 94124 Job #15-232 Date: 9/17/15xp

JML

Figure: One

Site: 1244 2nd Avenue Oakland, CA



APPENDIX A

PERMITS

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH 1131 HARBOR BAY PARKWAY

ALAMEDA, CA 94502-6577 PHONE (510) 567-6700

Memory Blorego Track Closure Formal Application.

Memory Bounds Track Closure Formal Application.

Memory Business State 250

Alexandra, CA 34902-6577

These dosurentemous plans have been recolved and found to be acceptable and essentially meet the requirements of genes and Local Health Laws. Changes to your dosure plans independ by this Department are to assure consultance with State and local least. The policies proposed heavin is now refered by this Department are to assure consultance with State and local least. The policies proposed heavin is now constitution.

One copy of the accepted plans must be on the job and sensition of its submitted to this trick Department and to the Financial.

Any changes or alterations of these plans and specifications must be submitted to this trick Department and to the Financial.

Any changes or alterations of these plans and specifications must be submitted to this trick Department and to the Financial Inspections Department at least 72 hours prior to the following required inspections:

Final Inspections:

Sampting

Sampting

Approved A Final Inspection

Source of all permit to operate, blusting the Department at least 72 hours prior to the following required inspections:

Final Inspections:

Any changes of all permit to operate, blusting the Department at least 72 hours prior to the following required inspections:

Approved A Final Inspection

Source of all permit to operate, blusting the Department at least 72 hours prior to the following required inspections:

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UNDERGROUND STORAGE TANK CLOSURE PLAN * * * Complete closure plan according to instructions * * *

1.	Name of Business 1244 2nd Avenue LLC							
	Business Owner or Contact Person (PRINT)Trent_Moore							
2.	Site Address 1244 2nd Avenue							
	City, State Oakland, CA Zip 94606 Phone 415-359-2400							
3.	Mailing Address c/o Trent Moore, 2655 Van Ness Ave., Ste. 2							
	City, State San Francisco, CA Zip 94109 Phone 415-359-2400							
4.	Property Owner 1244 2nd Avenue LLC							
	Business Name (if applicable) 1244 2nd Avenue LLC							
	Address _ c/o Trent Moore, 2655 Van Ness Ave., Ste. 2							
	City, State San Francisco, CA Zip 94109 Phone 415-359-2400							
5.	Generator name under which tank will be manifested							
	1244 2nd Avenue LLC							
	EPA I.D. No. under which tank(s) will be manifested C A C 0 0 2 8 3 0 3 1 3							

SR#0028723

CITY OF OAKLAND • Community and Economic Development Agency

- 250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 239-268

Permits for motivations main winder at the hand as necreativitain 460 days shall excite by limitation; the refund more three 188 days after explicit final.



CITY OF OAKLAND

CHECK REVERSE

250 FRANK H. OGAWA PLAZA • 2ND FLOOR • OAKLAND, CA 94612

Planning and Building Department www.oaklandnet.com

PH: 510-238-3891

FAX: 510-238-2263

TDD: 510-238-3254

Permit No:

X1502527

OPW - Excavation

11

Filed Date: 11/4/2015

Job Site:

1244 2ND AVE

Parcel No:

020 012700100

Schedule Inspection by calling: 530-238-2444

For SL; X; and CGS permits see SPECIAL NOTE below

District:

Project Description:

Remove UG storage tank in SIDEWALK AREA ONLY on International Blvd.

Please coordinate tank removal with Ms. Sheryl Skillern, MS - Supervising HazMat Inspector.

Soils report and related permits will be handled through her and/or Alameda County

Department of Health.

If working within 25' feet of a monument you must comply with State Law 8771, contact the

Inspector prior to starting excavation: minimum \$5,800.00 fine for non-compliance.

FIRE MARSHAL review required. 3rd FLOOR.

Call PWA INSPECTION prior to start: 510-238-3651. 4th FLOOR.

Related Permits:

Name

Applicant

<u>Address</u>

Phone

1 5 O.Y 5-3891

Owner:

1244 2ND AVE LLC

2655 VAN NESS AVE #2 SAN FRANCISCO,

415-254-4638

Contractor: LINDSAY & WILSON

CONSTRUCTION SERVICES INC

PETALUMA, CA

Contractor:

5200 REDWOOD HIGHWAY SOUTH

5200 REDWOOD HIGHWAY SOUTH

(707) 766-9511

(707) 766-9511

507442

LINDSAY & WILSON

CONSTRUCTION SERVICES INC.

PETALUMA, CA

PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA

General Information

Excavation Type: Private Party

Special Paving Detail Required:

Tree Removal Involved:

Date Street Last Resurfaced:

Worker's Compensation Company Name:

Holiday Restriction (Nov 1 - Jan 1): Limited Operation Area (7AM-9AM) And (4PM-6PM):

Worker's Compensation Policy #:

Key Dates

Approximate Start Date:

Approximate End Date:

TOTAL FEES TO BE PAID AT FILING: \$434.91

Application Fee

Excavation - Private Party Type

\$36.01

Technology Enhancement Fee

\$19.90

\$309.00

Plans Checked By

SPECIAL NOTE

For SL; X; and CGS permits Call PWA INSPECTION prior to stantal 5400-238-3651 or visit 4th FLOOR.

SL and X permits valid 90 days; CGS permits valid 30 days

CITY OF OAKLAND FIRE PREVENTION BUREAU

250 Frank Ogawa Plaza, Suite 3341 Oakland, California 94612-2032 (510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS In the CITY OF OAKLAND

	Request Submit	tal Date: 9/24/	15	
PLEASE CIRLCE APPROPRIATE ACTIONS:			0:	
(a) Remove X (b) Install (c) Repair	(d) Modify	(e) Abandon/Clos	e in Place A	
(a) Gasoline (b) Fuel oil (c) Diesel X	(d)	_tank(s) and excava	ate, commencing	g:
(a) four feet inside the curb line*; (b) inside the provincide curb line, please attach copy of sidewalk/e	operty line; (c) above excavation permit from	eground: (d) undergom PLANNING AN	ground tank(s) ID BUILDING	
on the west side of Inter	national Blvd	St.Ave. 36	_feet_soout.hf_	2nd St./Ave.
Site Address: 1244 2nd Avenue	1		orage_diesel	
Owner: 1244 2nd Avenue LLC Addr	c/o Trent ess 2655 Van San Franc	Moore Ness Ave, S cisco, CA 94	te. 2Phone	415-359-2400
L&W Applicant: Construction Serv. Addi	ress <u>5200 Red</u> Petaluma	wood Hwy. S , CA 94952	S. Phone_	707-766-9511
Sidewalk surface to be disturbed 3' X 12'N	umber of Tanks	1_Capacity_150	Gallons ea	1.
Remarks				
Signature Rome Whoen				
PLEASE ATTACH/SUBMIT: (All applicants mu	st have a City Busin	ness License Permit)		The state of the s
 (2) Copies of Closure Plans for underground tan (2) Sets of plans and (1) copy of specifications of the copy of plans and (2) sets of application pack (2) Sets of plans for aboveground tank installation copy or prepare to show Planning and Building NOTE: FOR TANK INSTALLATION PLEASES PERMIT TO OPERATE, MAINTAIN OR STOR 	or above ground tan ets for underground on and specification approval for above SUBMIT THIS AP	I tank installation/m is ground tank remova	l and tank repair	r H A APPLICATION FOR
	FOR OFFICE U	SE ONLY		
Permit No Amt.	Recv'd		Date Issued:	
Copies to: Electrical Inspection ck#_	ale le la company	Cash		
Rece	ipt#	Recv'd by:_		

APPENDIX B

MANIFESTS WEIGHT TICKETS RECEIPT FROM METAL RECYCLER

		1	3. Emergency Response	Phone		Tracking Nu		1 11
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			Generator's Site Address		an mailing addre	ess)		
6. Transporter 1 Company Name	ELLION SERVICES UP				U.S. EPA ID		1931	E ;
7. Transporter 2 Company Name					U.S. EPA ID	Number		
8. Designated Facility Name and Si	, ,				U.S. EPA ID	Number		
Facility's Phone:	: /410]				1	1 0	1 1 -	
9a. 9b. U.S. DOT Description (i	including Proper Shipping Name, Hazard Class, ID Number	,	10. Contain		11. Total Quantity	12. Unit Wt./Vol.	13. Waste	e Codes
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3.								
4.								-
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15. GENERATOR'S/OFFEROR'S marked and labeled/placarded Exporter, I certify that the cont	CERTIFICATION: I hereby declare that the contents of the d, and are in all respects in proper condition for transport actents of this consignment conform to the terms of the attach ration statement identified in 40 CFR 262.27(a) (if I am a la	his consignment a ccording to applicated EPA Acknowle	able international and nati edgment of Consent.	onal governm	ental regulation			
Generator's/Offeror's Printed/Typed			ature				Month	Day
16. International Shipments Transporter signature (for exports of		Export from U	.S. Port of en					
17. Transporter Acknowledgment of Transporter 1 Printed/Typed Name	Receipt of Materials	Sign	ature				Month	Day
fr ic	I WELL			-			111	7
Transporter 2 Plinted/Typed Name		Sign	ature				Month	Day
18. Discrepancy			-					
18a. Discrepancy Indication Space	Quantity Type		Residue		Partial R	ejection	L F	ull Rejection
18b. Alternate Facility (or Generator	n	- 4	Manifest Reference	Number:	U.S. EPA ID	Number	1	
Facility's Phone:					1			
18c. Signature of Alternate Facility	(or Generator)						Month	Day
19. Hazardous Waste Report Mana	gement Method Codes (i.e., codes for hazardous waste tre	eatment, disposal	, and recycling systems)		T.			
1.	2.	3.			4.			
20. Designated Facility Owner or O	perator: Certification of receipt of hazardous materials cover			n 18a				-
Printed/Typed Name		Sign	nature				Month	Day
			1					

	signed for use on elite (12-pitch) typewriter		3. Emergency Response	Dhana	4 Manifest	Form / Tracking Nur	Approved. OM	B No. 2050-0
UNIFORM HAZARDOUS WASTE MANIFEST	0/40002830		MPC 510 749-1	390	01	437	8654	JJK
5. Generator's Name and M	SUE CO	An TEXALT MENTER	Generator's Site Address	ille la.	an mailing addres	ss)		
6. Transporter 1 Company N	ame CMETTAL SERVICES INC.					0.00	1030	1 ; ;
7. Transporter 2 Company N	ame				U.S. EPAID N	number		
8. Designated Facility Name Property and Claus Ros Sweethant 124	ad Bldg 11 95367				U.S. EPAID N			
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18. Discrepancy								
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18b. Alternate Facility (or Ge	enerator)	3.0	Manifest Reference	e Number:	U.S. EPA ID	Number	1	
Facility's Phone:								
18b. Alternate Facility (or General Facility's Phone: 18c. Signature of Alternate Facility 19. Hazardous Waste Repo	Facility (or Generator)						Month	Day \
19. Hazardous Waste Repo	rt Management Method Codes (i.e., codes for ha	zardous waste treatment, dispos	sal, and recycling systems)					
1.	2.	3.	8		4.			
	er or Operator: Certification of receipt of hazardo			m 18a			Month	Day Y
Printed/Typed Name		s I	ignature					



2878636

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator's US EPA ID Number N/A	a. Generator's US EPA ID Number b. Manifest Do			cument Number c. Page 1 of				
d. Generator's Name and Location: 1244 2nd Avenue LLC 1244 2nd Avenue Oakland, CA 94606 f. Phone:	415-359-240	00	e. Generator's Mailing Address: 1244 2nd Avenue LLC 2655 Van Ness Ave, Ste 2 g. Phone: San Francisco, CA 94109 415-359-2400					
f owner of the generating facility diffe	ers from the generator,	provide:	A 500 10 1200					
n. Owner's Name:			i. Owner's Pho	ne No.:	- 0-	-1-1	- Total	a Heit
. Waste Profile #	k. Exp. Date	I. Waste Ship Description	oping Name and		No.	Type	n. Total Quantity	o. Unit Wt/Vol
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SAITE AUX	PATI		V/0	nel	5	10	2-9-	P
Generator Authorized Agent Name TRANSPORTER (G		. Signature	V /		,	r. Date		
HRC EDVIRONERS 1605 Ferry point. D. Phone: SIO - 749-13 Fel-pe Arac Driver Name (Print)	, ,	17/1	ul		e. Date	49,	ls	
II. DESTINATION (Ger	erator complete III	and Destin	ation Site cor	npletes Ille	d-g)			
a. Disposal Facility and Site Address Newby Island Landill 1601 Dixon Landing Rd Milpitas, CA 95035	408-262-140		*	pancy Indica	1	210	1857	·
hereby certify that the above name			est of my knowle	edge the fore	1	rue and ac	courate.	
a. Name of Authorized Agent (Print)	f. Signa			- :\	g, Daté			
V. ASBESTOS (Genera	ator completes IVa	1-f and Operator				4.10.0000000		
a. Operator's Name and Address:			c. Responsible	Agency Nar	me and A	aaress:		
b. Phone: B. Special Handling Instructions and	Additional Information:		d. Phone:					
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g. Operator's Name and Title (Print) *Operator refers to the company whi	h. Sign	nature	paniese the facili	ty heing den	i. Date	or renovate	ed or the demo	lition or
*Operator refers to the company white renovation operation or both	cn owns, leases, opera	ites, controls, or su	pervises the racil	ry being den	nonsneu (J. ICHOVALE	o, or the defile	



2878639

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator of							1 -1			
a. Generator's US EPA ID Number		b. Manifest Docur	nent Number			c. Page	1 01			
d. Generator's Name and Location:			e. Generator	s Mailing Add	iress:					
1244 2nd Avenue LLC			0.00.00.00.00		Avenue LL	.C				
1244 2nd Avenue						Ave, Ste 2				
f. Phone: Oakland, CA 94808	415-359-2400		g. Phone:	San Franc	cisco, CA	94109	415-359-2400)		
If owner of the generating facility differs from t	he generator, p	rovide:		F 1						
h. Owner's Name:		1	i. Owner's Ph		m Con	tainers	n. Total	o. Unit		
j. Waste Profile #	Exp. Date	Description	ping Name and	1	No.	Type	Quantity	WtVol		
51271520388	12/2/2016	Soil						CY		
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GENERATOR'S CERTIFICATION: I hereby of	ertify that the a	bove named mate	rial is not a ha	zardous wast	e as define	d by 40 C	FR 261 or any	applicable		
state law, has been properly described, classi- waste is a treatment residue of a previously re-	ried and packag	ged, and is in prop ous waste subject	t to the Land Di	sposal Restri	on accordin ctions. I ce	rtify and v	varrant that the	waste has		
been treated in accordance with the requirement	ents of 40 CFR	268 and is no lon	ger a hazardou	s waste as d	efined by 4	0 CFR 26	1.	Waste Has		
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c. Driver Name (Print)	d. Signal				e. Date					
III. DESTINATION (Generator	complete Illa									
a. Disposal Facility and Site Address:		c. US EPA Nur	nber d. Discr	epancy Indic	ation Space	9:				
Newby Island Landfill			5.0					1 31		
1601 Dixon Landing Rd	.00 000 . 101						11/5	-476		
b. Milpitas, CA 95035	408-262-1401									
I hereby certify that the above named materia	I has been acce	A A A	est of my know	leage the lore	going su	JE BIN BU	- / / r			
1316	V	VIVI			l l	16	116			
e. Name of Authorized Agent (Print)	f. Signati		500.		g. Date					
IV. ASBESTOS (Generator cor	npletes IVa-I	f and Operator	complete /\	/g-i)						
a. Operator's Name and Accress:			c. Responsible	e Agency Na	me and Ad	cress.				
The state of the s										
b. Phone:			d. Phone:							
e. Special Handling Instructions and Additiona	al Information:									
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	able all	% Non-Frab	e						
ODEDATORIS CERTIFICATION I pereby de	date that the co	potents of this con	signment are f	ully and accur	ately descr	ribed abov	e by the proper	shipping nam		
and are classified, packaged marked and lab	electro acarded	and are in all res	pects in proper	condition for	transport a	conting	ao applicable in	TE LISTONIA SUO		
national governmental regulations										
g. Operator's Name and Title (Phnt)	n. Signa	ture		ila, paine de	i. Date	roem no	or my this remarks	Noc or		
*Operator refers to the company *hich owns, renovation operation or both	eases operate	es, controls, or su	pervises the lac	and next does	HOHSI PEU O	Churele				



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If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\mathsf{NOT}}$ asbestos waste, complete Sections I, II and III

. GENERATOR (Genera	ator completes la	i-r)				c. Page	1 of	
a. Generator's US EPA ID Number		b. Manifest Docur	nent Number			C. Fage	101	
N/A d. Generator's Name and Location: 1244 2nd Avenue LLC 1244 2nd Avenue f. Phone: Oakland, CA 94806	415-359-240	0	e. Generator's Mailing Address: 1244 2nd Avenue LLC 2855 Van Ness Ave, Sie 2 g. Phone: San Francisco, CA 94109 415-359-2400					
If owner of the generating facility differs	from the generator,	provide:	3					
			i. Owner's Ph	one No.:				
h. Owner's Name: i. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and		m. Con		n. Total	o. Unit
j. Weste / Tollie #		Description			No.	Type	Quantity	Wt/Vol
51271520388	12/2/2016	Soil			001	CH	10	CY
GENERATOR'S CERTIFICATION: I ha	ereby certify that the	above named mate	erial is not a haz	zardous waste	e as define	d by 40 C	FR 261 or any	applicable
state law, has been properly described waste is a treatment residue of a previous been treated in accordance with the recognition.	ously restricted hazar	rdous waste subjec	t to the Land Di	sposal Restri	ctions. I ce	nity and w	varrant that the	waste has
SAITE ALAP	ATI	1	1000	och	7	12	-8-1	15
p. Generator Authorized Agent Name (Signature V		1-1 -	-)	r. Date		
II. TRANSPORTER (Ger	nerator complete	es lia-b and Ira	-			-		
a. Transporter's Name and Address:	00000	Lee 1 ?	Seri	11000	>		*	
NECENUIT	DT AL		0	0450				
DRCENUT (005 Ferry b. Phone: 510 749 139	F-1 1-10	meda		7-13 1	nin t	1 3	347	
b. Phone: 5-10 797 137	0	-	>		1	-	- 1 6 -	
John Conzone	(1)	10			12	8-	15	
c. Driver Name (Print)	d. Sign				e. Date		1	
III. DESTINATION (Gene	rator complete II		ation Site co	mpletes III	d-g)			
a. Disposal Facility and Site Address:		c. US EPA Nur	nber d. Discr	epancy Indica	ation Spac		. 1 .	. 1
Newby Island Landfill			· 1			12	2/20	41
1801 Dixon Landing Rd Milpitas, CA 95035	408-202-140	04	H ²			1	1	. ,
I hereby certify that the above named r			est of my know	ledge the for	egging is t	rue and bo	curate. 1	
Thereby certify that the above harried i	naterial rias been do	MAIG	oot or my mion	louge me ion	1	TI	14/1-)
10100		10000			g. Date			
e. Name of Authorized Agent (Print)	f. Signa			/n 1\	g. Date	-		
IV. ASBESTOS (Generati	or completes IVa	a-r and Operator				11		
a. Operator's Name and Address:			c. Responsib	e Agency Na	me and Ad	idress:		
**								
b. Phone:	Jablanal Information		d. Phone:					
e. Special Handling Instructions and A	dallional information:							<u> </u>
f. ☐ Friable ☐ Non-Friable ☐ B	oth% F	riable	% Non-Friabl	e				
OPERATOR'S CERTIFICATION: I her and are classified, packaged, marked in national governmental regulations.	aby declare that the	contents of this cored, and are in all res	spects in proper	ully and accur condition for	rately desc transport	ribed abov according	ve by the prope to applicable in	r shipping nam iternational and
national governmental regulations.								
g. Operator's Name and Title (Print)	h, Sigr	nature			I. Date			1000
*Operator refers to the company which	owns, leases, opera	ates, controls, or su	pervises the fac	ility being de	molished o	r renovate	ed, or the demo	lition or



2874042

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	nerator completes la-	r) b. Manifest Docur	ment Number		c. Page	1 of			
N/A d. Generator's Name and Location: 1244 2nd Avenue LLC 1244 2nd Avenue Oakland, CA 94608 f. Phone:	415-359-2400		e. Generator's Mailing Address: 1244 2nd Avenue LLC 2655 Van Ness Ave, Ste 2 9. Phone: 415-359-2400						
If owner of the generating facility di	ffers from the generator, pr	rovide:							
h. Owner's Name:			i. Owner's Phone No.:				1		
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	oping Name and	No.	Type	n. Total Quantity	o. Unit Wt/Vol		
51271520388	12/2/2016	Soil		001	CM	10	CY		
GENERATOR'S CERTIFICATION: state law, has been properly descri	I hereby certify that the ab	pove named mate	erial is not a hazardous w	aste as define	ed by 40 C	FR 261 or any a	applicable		
waste is a treatment residue of a probeen treated in accordance with the	eviously restricted hazardo	ous waste subject	to the Land Disposal Re	strictions. I ce	ertify and v	varrant that the	waste has		
SAITE AUGI	PATI	8/1	Venath	7	1>	-8-	15		
o. Generator Authorized Agent Nam	ne (Print) q. S	Signature			r. Date				
	Generator completes	lla-b and Trai	nsporter completes I	lc-e)					
b. Phone:	1605 F	- J	DT Alon	medi	C B 2/8	1945	3332		
c. Driver Name (Print)	d. Signati	Ire (e. Date	10	/13			
	nerator complete Illa-		ation Site completes						
a. Disposal Facility and Site Addres		c. US EPA Nun			e:		-		
1601 Dixon Landing Rd Milpitas, CA 95035	408-262-1401		2	47		(210	458		
hereby certify that the above name	ed material has been acce	oted and to the b	est of my knowledge the	foregoing is to	ue and ac	curate. j			
Vh(10	\(\lambda	VIV			121	8/17			
. Name of Authorized Agent (Print)	f. Signatu	re		g. Date	1 - 1	-3/			
V. ASBESTOS (Gener	rator completes IVa-f	and Operator	complete IVg-i)	1					
a. Operator's Name and Address;			c. Responsible Agency	Name and Ad	idress:				
o. Phone:			d. Phone:						
e. Special Handling Instructions and	d Additional Information:								
. Friable Non-Friable DPERATOR'S CERTIFICATION: I I and are classified, packaged, marketational governmental regulations.	hereby declare that the cor	ntents of this con	% Non-Friable signment are fully and accepts in proper condition	curately desc for transport a	ribed abov	e by the proper to applicable into	shipping na ernational ar		
g. Operator's Name and Title (Print) Operator refers to the company wh	h. Signatu	ire s, controls, or sun	ervises the facility being	i. Date demolished o	r renovate	d, or the demolit	tion or		
enovation operation or both	The second second								



2874043

If waste is asbestos waste, complete Sections I, II, III and IV If waste is NOT asbestos waste, complete Sections I, II and III

) ob # 995 le

 GENERATOR (General 	or completes I	а-г)				I - Door	1 of	
a, Generator's US EPA ID Number WA		b. Manifest Docur				c. Page	101 .	
d. Generator's Name and Location: 1244 2nd Avenue LLC 1244 2nd Avenue Oakland, CA 94606	415-359-24	00	e. Generator's	Mailing Add 1244 2nd 2655 Van San Franc	Avenue LI Ness Ave	, Ste 2	415-359-2400)
If owner of the generating facility differs	rom the generator	, provide:		200				
h. Owner's Name:			i. Owner's Ph		0	tologes	n Total	o, Unit
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and		No.	Type	n. Total Quantity	Wt/Vol
51271520388	51271520388 12/2/2016 Soil				001	CM	10	CY
GENERATOR'S CERTIFICATION: I he state law, has been properly described,	classified and nach	vaned and is in nro	ner condition for	transportatio	n accordii	iddds o) or	cable requiation	IS, AIVE, II IIIIS
waste is a treatment residue of a previous been treated in accordance with the requ	inly rectricted haze	neidile atacki silnier	to the Land Dis	soosai Kesin	CHORS, I CE	eriliv and v	variant that the	waste has
SAITE ALADA	riot)	q. Signature	(100	it	_	r. Date	2-8-	-13
p. Generator Authorized Agent Name (P			nanartar can	polotoe IIc-	۵۱	11.0010		
II. TRANSPORTER (Gen					0)	-		
a. Transporter's Name and Address:								
(605 Fera	X PT A	Alone	Ta Ca	-94	2-01			
	9	1			(014	3337	2
John Con 201	un	nature		/2 - 8 - 15 -				
c. Driver Name (Print)			otion Site on	molotoc III				
III. DESTINATION (General	ator complete	c. US EPA Nui	ation Site co	epancy Indica	u-y)	.0.		
a. Disposal Facility and Site Address: Newby Island Landfill 1601 Dixon Landing Rd Milpitas, CA 95035	408-262-14	101	H		12	-10	888	
hereby certify that the above named m	aterial has been a	ccepted and to the b	est of my knowl	ledge the fore	egoing is t	rue and do	curate.	
A					14	9/1	-	
e. Name of Authorized Agent (Print)	f. Sign		/ "		g. Date	0/	-	
IV. ASBESTOS (Generato	r completes IV	a-fand Operate	complete IV	(g-I)				
a. Operator's Name and Address:			c. Responsible	e Agency Na	me and A	ddress:		
b. Phone:			d. Phone:					
e. Special Handling Instructions and Ad	ditional Information	n:						
f. ☐ Friable ☐ Non-Friable ☐ 8o	th %	Friable	% Non-Friable	e	11.5			
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked an national governmental regulations.	by declare that the	contents of this cor	signment are fu	Illy and accur	rately desc transport	cribed above according	ve by the prope to applicable in	r shipping name ternational and
g. Operator's Name and Title (Print) *Operator refers to the company which	h. Sig	nature rates, controls, or su	pervises the fac	ility being de	i. Date	or renovate	d, or the demo	lition or
renovation operation or both				100				

DESTINATION RETURN

RS-F11A



2874044

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\mathsf{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gen	erator completes	la-r) b. Manifest Docu	mont Number		c. Page	1 of	
a. Generator's US EPA ID Number N/A		D. Marinest Docu					
d. Generator's Name and Location: 1244 2nd Avenue LLC 1244 2nd Avenue Oakland, CA 94606 f. Phone:	415-359-2		2655	Address: 2nd Avenue L Van Ness Ave rancisco, CA	, Ste 2	415-359-2400)
f owner of the generating facility diff	ers from the generate	or, provide:					
n. Owner's Name:	· ·		i. Owner's Phone No.:		ntainers	n. Total	o. Unit
. Waste Profile #	k, Exp. Date	I. Waste Sh Description	pping Name and	No.	Туре	Quantity	Wt/Vol
51271520388	12/2/2016	Soil		001	CM	10	CY
GENERATOR'S CERTIFICATION: state law, has been properly describ waste is a treatment residue of a pro	ed classified and na	examed and is in nec	per condition for transpo	nation accordi	id to appli	Cable legulation	13, 1110, 11 1110
waste is a treatment residue of a pro- been treated in accordance with the	requirements of 40 C	CFR 268 and is no lo	nger a hažardous waste	as defined by	10 CFR 26	1.	
DitE M	100011	17	11/25	1	12	-5-1	13
o. Generator Authorized Agent Nam	ne (Print)	q. Signature	5/00		r. Date		
I. TRANSPORTER (C	Senerator comple	etes Ila-b and Tra	ansporter completes	llc-e)			
1605 Finns &	ALAMELA	ć.			81h	3244	
21 110110							
c. Driver Name (Print) RUFUS E	Larn d. Si	gnature Rule	Buis	e. Date	12 -	8-15	
II. DESTINATION (Ge	nerator complete	Illa-c and Destin	nation Site complete	es IIId-g)			
a. Disposal Facility and Site Addres Newby Island Landfill 1801 Dixon Landing Rd Milpitas, CA 95035	s: 408-262-1	c. US EPA No	d. Discrepancy	Indication Spac	\ Z	104	47
hereby certify that the above name	ed material has been	accepted and to the	best of my knowledge the	e foregoing is t	rue and a	courate	
MOC		MHO	¥.	12	2/1	c /15	
e. Name of Authorized Agent (Print	f. Sig	gnature		g. Date			
V. ASBESTOS (Gene	rator completes I	Va-f and Operato					
a. Operator's Name and Address:			c. Responsible Agenc	y Name and A	ddress:	9	
o, Phone:			d. Phone:				
e. Special Handling Instructions and	d Additional Information	on:				E	
			2				
f. Friable Non-Friable OPERATOR'S CERTIFICATION: I and are classified, packaged, mark national governmental regulations.	hereby declare that th	6 Friable ne contents of this co ded, and are in all re	% Non-Friable ensignment are fully and a espects in proper condition	accurately desc on for transport	cribed abo according	ve by the prope to applicable in	r shipping na iternational ar
g. Operator's Name and Title (Print Operator refers to the company with	h. S nich owns, leases, op	ignature erates, controls, or s	upervises the facility bein	i. Date g demolished o	or renovate	ed, or the demo	lition or

Circosta Iron and Metal Company Inc.

415-282-8568 1801 Evans Avenue San Francisco CA 94124

RC2707

Tick# 1270					
Tick# 1270 Gross	74 By Sam Tare	Net	8:25:12 Lbs	AM Price	12/9/2015 Amount
HMS - HMS #1				(SC=\$50	-
10,720.00 Amt (Before T Sales Tax (1,560.	00	50.00	39.00 39.00
Amt (After Ta:	x)				\$39.00
* THIRTY-NINE	E AND XX / 10	Ticket	Total		39.00
Date	Mode	T	rn#		Amount
12/9/2015 Print Name:	Cash saite misipe	ele			39.00
	* * * CUST		COPY**		

Address: 1050 forselles way

City/ST/Zip: hayward/ca/94544

State of issuance:

I hereby state that I'm the lawful owner of the material described heron, that I have a right to sell same, that all REDEMPTION material is in fact valid REDEMPTION material and that for payment received in full, hereby acknowledged,

Circosta Iron and Metal Company Inc.

Х

You must return this receipt 3 days or later to receive money. THANK YOU!

	SITE TICK	ET#	CELL		
International Disposal Corp of Ca	Y1	1218936	0222		
Milpiras, CA 95035 408-262-1401	WEIGHMASTER Matti D				
Milpitas, CA 95035 408-262-1401	DATE/TIME IN			IME OUT	
08800	01-08-2 VEHICLE	016 1:3	8 pm 01-8	3-2016 INER	1:38 pm
CSJ WATER POLLUTION CONTROL	D5		0.5347.4400		
700 LOS ESTEROS RD ATTN: ACCOUNTS PAYABLE	REFERENCE			TMV	OLCE
5127Y810688	BILL OF LADIN	IG		1.14-7	CICE
31271010000	2878639			* •	
SCALE IN GROSS WEIGHT 51,920 N	ET TONS	14.00			
TARE OUT TARE WEIGHT 23,920 NET	r WEIGHT	28,000	I	NBOUND	
QTY. UNIT DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
10.00 YD TRACKING QTY 14.00 TN SW-BIOSOLIDS , ISJ-San Jose					
					NET AMOUNT
WEIGHMASTER CERTIFICATE - THIS IS TO CERTIFY that the following was weighed, measured, or counted by a weighmaster, whose signature is	g described con	mmodity			
who is a recognized authority of accuracy, as prescribed by Chapter 7 (co	ommencing with	n Section			TENDERED
12700) of Division 5 of the California Business and Professions Code, adr	ministered by th	ne		_	CHANGE
Division of Measurement Standards of the California Department of the co on the reverse side and that he or she has the authority to sign this document on behalf of the cu	b&sAgriculturad	understands the te	erms and conditions		CSSESSON COLUMN
					CHECK#
RS-F042UPR (07/12) SIGNATURE	-				
	· ş				

5200	97 CONST REDW		SERVICES HWAY SOUTH	8-262-1401	WEIGHM. Matt DATE/TIN 12-0 VEHICLE NRC2 REFEREN	i D. MEIN 8-2015 1:5	53 pm 1	ATE/TIME OUT 2-8-2015 ONTAINER OL	2:15 pm
5127	15203	88			BILL OF 1				
	SCALE	IN OUT	GROSS WEIGHT TARE WEIGHT	43,900 28,680	NET TONS NET WEIGHT			INBOUND	1
QTY.	UNIT		DES	CRIPTION		RATE	EXTENSION	TAX	TOTAL
20.00 7.6 1.00 1.00	TN	SW-CON ENVIRO	NG QTY T SOIL-ALT DAILY NMENTAL FEE 1 ECOVERY FEE	COVE Oakland	d	\$40.00 \$15.00 5.11%	\$304.4 \$15.6 \$15.8	00 \$0.00	\$304.40 \$15.00 \$15.55
was who 1270 Diwig	weighe is a rec 00) of D indeption the reverse	d, measure cognized a ivision 5 of Measuviem e side and that	RTIFICATE - THIS IS TO Ced, or counted by a weight uthority of accuracy, as profite California Business a sub-Standards of the California buthority to sign	master, whose signescribed by Chapend Professions Coulons Repartments this document on behalf	gnature is on this ce ter 7 (commencing ode, administered เ องเลืองฝะคูสเรเปรย	ertificate, with Section by the	pums and conditi	ions	\$334.95 TENDERED CHANGE 00 CHECK#

SITE

CELL

TICKET #

ITE	I	nternat	ional Disposal Co	rp of Ca	Y1 WEIGHMASTE	1210467	CELL		
5200 PETA	97 CONST REDW	OOD HIG CA 94	SERVICES HWAY SOUTH	8-262-1401	Matti J DATE/TIME IN 12-08-2 VEHICLE NRC-21: REFERENCE BILL OF LADII 2874044	2015 1:5 37	T000000000		2:25 pm
	SCALI	E IN E OUT	GROSS WEIGHT TARE WEIGHT	51,220 28,520	NET TONS NET WEIGHT	11.35 22,700	I	NBOUND	
QTY.	UNIT		DES	CRIPTION		RATE	EXTENSION	TAX	TOTAL
20.00 11.35 1.00 1.00	TN	SW-CON ENVIRO	NG QTY T SOIL-ALT DAILY, NMENTAL FEE 1 ECOVERY FEE	COVE Oaklan	ad	\$40.00 \$15.00 5.11%	\$454.00 \$15.00 \$23.20	\$0.00 \$0.00 \$0.00	\$454.00 \$15.00 \$23.20
was who 1270 Di y is	weighe is a rec 00) of D ion of d the revers	ed, measured audition of the contract of the c	TIFICATE - THIS IS TO Ced, or counted by a weigh uthority of accuracy, as presented the California Business and Standards of the California business are the or she has the authority to sign	master, whose si escribed by Chap and Professions (projections on behi this document on beh	ignature is on this certific pter 7 (commencing with Code, administered by the Laft Epod & Agricultural half of the custory.	cate, Section ne			\$492.20 TENDERED CHANGE 00 CHECK#

SITE

CELL

5112	Ir	nternat	cional Disposal Co	rp of Ca	V1 weigh	1212041 MASTER			
	Mily	oitas,	CA 95035 40	8-262-1401	Mate	ti D.	DATE/T	IME OUT	
5200	CONST		N SERVICES GHWAY SOUTH 4952		VEHIC NRC REFER	14-2015 10:2	26 am 12-1 CONTA 201.	4-2015 NER INV	10:52 am
5127	15203	88			287	3637			
	SCALE SCALE	E IN E OUT	GROSS WEIGHT TARE WEIGHT	39,280 28,500	NET TONS		I	NBOUND	
QTY.	UNIT		DE	SCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.00 5.39 1.00 1.00	TN	SW-CO ENVIR	ING QTY NT SOIL-ALT DAILY, ONMENTAL FEE 1 RECOVERY FEE	COVE Oaklan	d	\$40.00 \$15.00 5.11%	\$215.60 \$15.00 \$11.02	\$0.00 \$0.00 \$0.00	\$215.60 \$15.00 \$11.02
was who 1270	weight is a red 00) of D signusti the rever	ed, meast cognized Division 5 Measurer se side and	RTIFICATE - THIS IS TO ired, or counted by a weigh authority of accuracy, as p of the California Business ment Standards of the California Business ment of the color in the or she has the authority to si	nmaster, whose si rescribed by Chap and Professions (forcia Department gn this document on be	ignature is on this pter 7 (commencir Code, administered Lof Food & Apricul	certificate, ig with Section d by the	terms and conditions		\$241.62 TENDERED CHANGE \$0.00 CHECK#

CELL

TICKET #

Mil CUSTOMER 900097 L&W CONST	TRUCTION SERVICES WOOD HIGHWAY SOUTH CA 94952	orp of Ca 08-262-1401	Y1 WEIGHMASTE IN - H DATE/TIME IN 12-09- VEHICLE NRC-21 REFERENCE BILL OF LADI 2878636	umberto P. 2015 1:3 37	DATE 12-	9-2015 AINER	1:56 pm OICE
	E IN GROSS WEIGHT E OUT TARE WEIGHT	46,460 28,400 N	NET TONS NET WEIGHT	9.03 18,060		INBOUND	
QTY. UNIT		SCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.00 YD 9.03 TN 1.00 1.00	TRACKING QTY SW-CONT SOIL-ALT DAILY, ENVIRONMENTAL FEE 1 FUEL RECOVERY FEE	COVE Oakland		\$40.00 \$15.00 5.11%	\$361.20 \$15.00 \$18.46	\$0.00 \$0.00 \$0.00	\$361.20 \$15.00 \$18.46
who is a red 12700) of D Division of	STER CERTIFICATE - THIS IS TO C d, measured, or counted by a weighr cognized authority of accuracy, as pre ivision 5 of the California Business a Aeasயவைத்தித்திர்கள் மிக்கிர் e side and that he or she has the authority to sign	master, whose signature escribed by Chapter 7 (nd Professions Code, a proja Department of Eoc	e is on this certific commencing with administered by the ads. Agricultured a customer.	sate, Section			\$394.66 TENDERED CHANGE CHECK#

SITE

SITE	T	nternati	ional Disposal Co	rn of Co	Province:	KET#	CELL		
*				orb or ca	Y1 WEIGHMASTE	1210888			
CUSTOMER	Mil	pitas, C	CA 95035 40	8-262-1401	IN - H	umberto P	. OUT - Ma	tti D.	
9000	97				DATE/TIME IN		DATE/T	IME OUT	
		RUCTION	SERVICES		12-09-2	2015 2:2	29 pm 12-9 CONTA	9-2015 INER	2:53 pm
5200	REDW	OOD HIGH	HWAY SOUTH		NRC211	6	201	and a second	
PETA	LUMA,	CA 949	952		REFERENCE				2222
5127	15203	388			BILL OF LADI	NG		INV	OICE
					2874043	3		> h	
	SCAL		GROSS WEIGHT	47,860	NET TONS	9.64			
	SCALI	E OUT	TARE WEIGHT	28,580	NET WEIGHT	19,280	Т	NBOUND	
QTY.	UNIT		DE	SCRIPTION		RATE			
20.00		TRACKIN		SCHIFTION		HATE	EXTENSION	TAX	TOTAL
9.64	TN		rg Qii F soil-alt daily'	COLUE O 13		1			
1.00	114		MENTAL FEE 1	COVE Dakland		\$40.00	\$385.60	\$0.00	\$385.60
1.00			ECOVERY FEE			\$15.00	\$15.00	\$0.00	\$15.00
		LODD IVE	COVERT FEE			5.11%	\$19.70	\$0.00	\$19.70
1									
WEIG	SHMAS	STER CERT	IFICATE - THIS IS TO C	ERTIFY that the fo	llowing described con	nmodity			NET AMOUNT
wası	welulle	u. measured	1 or counted by a weight	macter whose sign	atura in an this santiff-	-1-			\$420.30
1270	0) of Di	vision 5 of t	thority of accuracy, as pro- he California Business a	nd Professions Co	r / (commencing with	Section			TENDERED
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APPENDIX C

CHAIN OF CUSTODY LABORATORY CERTIFICATES OF ANALYSIS

Ms. Jean Lindsay

12/10/2015

L & W Construction Services, Inc.

5200 Redwood Hwy S. Petaluma, CA 94952

Project:

15-232

Project Site:

1244 2nd Ave., Oakland, CA

Sample Date:

12/8/2015

Lab Job No.:

L15L008

Dear Ms. Jean Lindsay:

Enclosed please find the analytical report for the samples received by A & R Laboratories on 12/10/2015 and analyzed by the following EPA methods:

> EPA 8260B (BTEX & Napthalene) EPA 8015M (TPH-Diesel)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

A & R Laboratories is certified by the CA DHS (Certificate No.2789). Thank you for giving us the opportunity to serve you.

Please feel free to call me at (951)779-0310 if our laboratory can be of further service to you.

Respectfully,

A & R Laboratories

Ken Zheng, M.S.

Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

1650 S. Grove Ave., Suite C Ontario, CA 91761

Tel: (951)779-0310 Fax: (951)779-0344

Client: L & W Construction Services, Inc. Lab Job No.: L15L008 15-232 Date Sampled: 12/8/2015 Project: Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Date Analyzed: 12/10/2015 Matrix: Water Batch No .: 1210-VOCW4 Date Reported: 12/10/2015

EPA 8260B (BTEX, Oxy. & Naphthalene)

Reporting Unit: ug/L (PPB)

		repering em	0		
Date Analyzed		12/10/15			
Dilution Factor		100			
Lab Sample I.D.		L15L008-1			
Client Sample I.D.		15-232-GW			
Compound	RL				
Benzene	0.5	ND			
Toluene	0.5	ND			
Ethylbenzene	0.5	ND			
Total Xylene	1	ND			
MTBE	0.5	ND			
Ethyl-t-butyl Ether (ETBE)	1	ND			
Diisopropyl ether (DIPE)	1	ND			
TAME	1	ND			
t-Butanol	10	ND			
Naphthalene	1	500			

Tel: (951)779-0310

Fax: (951)779-0344

RL: Reporting Limit.

ND: Not Detected (Below Reporting Limit X Dilution Factor).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008

Project:

15-232

Date Sampled:

12/8/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No.:

AL10 & BL10-DW

Date Reported:

12/10/2015

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
Vi-			C12-C28	
	RL		0.1	
15-232-GW	L15L008-1	1	50	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761 Tel: (951)779-0310 Fax: (951)779-0344

EPA 8260B (VOCs) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

1210-VOCW4

Date Reported:

12/10/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit: ug/L(PPB)

Compound	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
1,1-Dichloroethene	ND	20	19.5	20.5	97.5	103	5	≤20	80-120
Benzene	ND	20	20.2	19.5	101	98	4	≤20	80-120
Trichloroethene	ND	20	18.0	19.8	90	99	10	≤20	80-120
Toluene	ND	20	19.5	20.9	98	105	7	≤20	80-120
Chlorobenzene	ND	20	20.3	19.5	102	98	4	≤20	80-120

MB: Method Blank.

ND: Not Detected (Below MDL).

EPA 8015B (TPH-Diesel) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No.: BL10-DW

Date Reported:

12/10/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit:mg/L (PPM)

Analyte	Method Blank	Spike	LCS	LCSD	LCS	LCSD %rec.	%RPD	%RPD Accept Limit	%Rec Accept Limit
TPH-D	ND	500	450	445	90	89	1	≤20	80-120

ND: Not Detected (at the specified limit).

MB: Method Blank.

LCS: Lab Control Sample.

LCSD: Lab Control Sample Duplicate.

CHAIN OF CUSTODY

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15-232 -600: 12-8-15 1200		PIT. Tank Ex	Exception	×	1		
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		TIME:				TIME:	

Ms. Jean Lindsay

12/10/2015

L & W Construction Services, Inc. 5200 Redwood Hwy S.

Petaluma, CA 94952

Project:

15-232

Project Site:

1244 2nd Ave., Oakland, CA

Sample Date: Lab Job No.: 12/9/2015

L15L010

Dear Ms. Jean Lindsay:

Enclosed please find the analytical report for the samples received by A & R Laboratories on 12/10/2015 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxy.)

EPA 9045C (pH)

EPA 8015M (TPH-Diesel)

EPA 1030 (Flammability)

EPA 6010B (LUFT 5 Metals)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

A & R Laboratories is certified by the CA DHS (Certificate No.2789). Thank you for giving us the opportunity to serve you.

Please feel free to call me at (951)779-0310 if our laboratory can be of further service to you.

Respectfully,

A & R Laboratories

Ken Zheng, M.S.

Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

1650 S. Grove Ave., Suite C Ontario, CA 91761 Tel: (951)779-0310

Fax: (951)779-0344

Client: L & W Construction Services, Inc. Lab Job No .: L15L010 Project: 15-232 Date Sampled: 12/9/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Soil Date Analyzed: 12/10/2015 Date Reported: 12/10/2015 Batch No .: 1210-VOCS4

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2

Reporting Unit: mg/kg (PPM)

Date Analyzed		12/10/15	t: mg/kg (PPM)	1	
Dilution Factor	- (12/10/13			
Lab Sample I.D.		L15L010-2			
Client Sample I.D.	_	15-232-12-9			
Compound	RL	13-232-12-9			
Dichlorodifluoromethane	0.005	ND			
Chloromethane	0.005	ND			
Vinyl Chloride	0.005	ND			
Bromomethane	0.005	ND			
Chloroethane	0.005	ND			
Trichlorofluoromethane	0.005	ND			
1,1-Dichloroethene	0.005	ND			
Carbon disulfide	0.005	ND			
Methylene chloride	0.005	ND			
Trans-1,2-Dichloroethene	0.005	ND			
1,1-Dichloroethane	0.005	ND			
2,2-Dichloropropane	0.005	ND			
Cis-1,2-Dichloroethene	0.002	ND			
Bromochloromethane	0.005	ND			
Chloroform	0.005	ND			
1,1,1-Trichloroethane	0.005	ND			
Vinyl acetate	0.005	ND			
Carbontetrachloride	0.005	ND			
1,1-Dichloropropene	0.005	ND			
1,2-Dichloroethane	0.005	ND			
Benzene	0.001	ND			
Trichloroethene	0.002	ND			
1,2-Dichlorpropane	0.005	ND			
Methyl methacrylate	0.005	ND			
Dibromomethane	0.005	ND	1		
Bromodichloromethane	0.005	ND			
2-Chloroethyl Vinyl Ether	0.005	ND			
Cis-1,3-Dichloropropene	0.005	ND			
Toluene	0.001	ND	34		
Trans-1,3-Dichloropropene	0.005	ND			
Ethylmethacrylate	0.005	ND			
1,1,2-Trichloroethane	0.005	ND			
Dibromochloromethane	0.005	ND			
1,2-Dibromoethane (EDB)	0.005	ND			
Tetrachloroethene	0.002	ND			
1,3-Dichloropropane	0.005	ND			
Chlorobenzene	0.005	ND			

Tel: (951)779-0310 Fax: (951)779-0344

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client: L & W Construction Services, Inc.
Project: 15-232

Lab Job No.: L15L010
Date Sampled: 12/9/2015

Project Site: Matrix: 1244 2nd Ave., Oakland, CA

Date Received: 12/10/2015
Date Analyzed: 12/10/2015

Batch No.:

Soil 1210-VOCS4

Date Reported:

12/10/2015

Tel: (951)779-0310

Fax: (951)779-0344

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2

Reporting Unit: mg/kg (PPM)

D. A. L. L.		12/10/15	mg/kg (11111)		
Date Analyzed	,	12/10/15		_	
Dilution Factor		1			
Lab Sample I.D.		L15L010-2			
Client Sample I.D.		15-232-12-9			
Compound	RL				
1,1,1,2-Tetrachloroethane	0.005	ND			
Ethylbenzene	0.001	ND			
Total Xylene	0.002	ND			
Styrene	0.005	ND			
Bromoform	0.005	ND			
Isopropyl benzene	0.005	ND			
Bromobenzene	0.005	ND			
1,2,3-Trichloropropane	0.005	ND			
1,1,2,2,-Tetrachloroethane	0.005	ND			
Trans-1,4-dichloro-2-butene	0.005	ND			
2-Chlorotoluene	0.005	ND			
n-Propyl benzene	0.005	ND			
4-Chlorotoluene	0.005	ND			
1,3,5-Trimethyl benzene	0.005	ND			
tert-Butylbenzene	0.005	ND			
p-Isopropyl toluene	0.005	ND			
1,2,4-Trimethyl benzene	0.005	ND			
sec-Butylbenzene	0.005	ND			
1,3-Dichlorobenzene	0.005	ND			
1,4-Dichlorobenzene	0.005	ND			
1,2-Dichlorobenzene	0.005	ND			
n-Butylbenzene	0.005	ND			
1,2-Dibromo-3-chloropropa	0.005	ND			
1,2,4-Trichlorobenzene	0.005	ND			
Hexachlorobutadiene	0.005	ND	-		
Naphthalene	0.005	ND			
1,2,3-Trichlorobenzene	0.005	ND			
Aceton	0.950	ND			
2-Butanone(MEK)	0.300	ND			
MTBE	0.001	ND			
4-Methyl-2-Pentanone (MIE	0.050	ND			
Ethyl-t-butyl Ether(ETBE)	0.002	ND			
Diisopropyl ether (DIPE)	0.002	ND			
TAME	0.002	ND			
t-Butanol	0.020	ND			

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

BL10-DS

Date Reported:

12/10/2015

Tel: (951)779-0310 Fax: (951)779-0344

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/kg (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
			C12-C28	
	RL		10	
15-232-12-9	L15L010-2	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

Client:	L & W Construction Services, Inc.	Lab Job No.:	L15L010
Project:	15-232	Date Sampled:	12/9/2015
Project Site:	1244 2nd Ave., Oakland, CA	Date Received:	12/10/2015
Matrix:	Soil	Date Digested:	12/10/2015
Extraction Method:	EPA 3050	Date Analyzed:	12/10/2015
Batch No.:	1210-MTS	Date Reported:	12/10/2015

EPA 6010B (LUFT 5 Metals)

Report Units: mg/kg (PPM)

Element	EPA	L15L010-2	RL
	Method	15-232-12-9	
Cadmium (Cd)	6010B	ND	2
Chromium (Cr)	6010B	8.9	2
Lead (Pb)	6010B	ND	2
Nickel (Ni)	6010B	5.7	2
Zinc (Zn)	6010B	5.3	2

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-FLAS

Date Reported:

12/10/2015

EPA 1030 (Flash Point)

Unit: °F

Analyte	EPA	L15L010-2	
	Method	15-232-12-9	
Flash Point	1030	>200	

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.:

1110-pH

Date Reported:

12/10/2015

Tel: (951)779-0310

Fax: (951)779-0344

EPA 9045C (pH)

Analyte	EPA	L15L010-2	
	Method	15-232-12-9	
pH	9045C	6.85	

Client: L & W Construction Services, Inc. Lab Job No.: L15L010 Project: 15-232 Date Sampled: 12/9/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Water Date Analyzed: 12/10/2015 Date Reported: Batch No .: 1210-VOCW4 12/10/2015

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2 Reporting Unit: ug/L (PPB)

T-		Reporting Unit:	ug/L (PPB)		
Date Analyz	ed ,	12/10/15			
Dilution Factor Lab Sample I.D.		100			
		L15L010-1			
Client Sample I.	D.	15-232-GW-2			
Compound	RL				
Dichlorodifluoromethane	0.5	ND			
Chloromethane	0.5	ND			
Vinyl Chloride	0.5	ND			
Bromomethane	0.5	ND			
Chloroethane	0.5	ND			
Trichlorofluoromethane	0.5	ND			
1,1-Dichloroethene	0.5	ND			
Carbon disulfide	0.5	ND			
Methylene chloride	0.5	ND			
Trans-1,2-Dichloroethene	0.5	ND			
1,1-Dichloroethane	0.5	ND			
2,2-Dichloropropane	0.5	ND			
Cis-1,2-Dichloroethene	0.5	ND			
Bromochloromethane	0.5	ND			
Chloroform	0.5	ND			
1,1,1-Trichloroethane	0.5	ND			
Vinyl acetate	0.5	ND			
Carbontetrachloride	0.5	ND			
1,1-Dichloropropene	0.5	ND			
1,2-Dichloroethane	0.5	ND			
Benzene	0.5	ND			
Trichloroethene	0.5	ND			
1,2-Dichlorpropane	0.5	ND			
Methyl methacrylate	1	ND			
Dibromomethane	0.5	ND			
Bromodichloromethane	0.5	ND			
2-Chloroethyl Vinyl Ether	0.5	ND			
Cis-1,3-Dichloropropene	0.5	ND			
Toluene	0.5	ND			
Trans-1,3-Dichloropropene	0.5	ND			
Ethylmethacrylate	0.5	ND			
1,1,2-Trichloroethane	0.5	ND			
Dibromochloromethane	0.5	ND			
1,2-Dibromoethane (EDB)	0.5	ND			
Tetrachloroethene	0.5	ND			
1,3-Dichloropropane	0.5	ND			
Chlorobenzene	0.5	ND			

Tel: (951)779-0310

Fax: (951)779-0344

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client: L & W Construction Services, Inc. Lab Job No.: L15L010 Project: Date Sampled: 15-232 12/9/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Water Date Analyzed: 12/10/2015 Batch No .: 1210-VOCW4 Date Reported: 12/10/2015

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2

Reporting Unit: ug/L (PPB)

		Reporting Unit:	ug/L (PPB)	 	
Date Analyzed	,	12/10/15			
Dilution Factor Lab Sample I.D.		100			
		L15L010-1 15-232-GW-2			
Client Sample I.D.					
Compound	RL				
1,1,1,2-Tetrachloroethane	0.5	ND			
Ethylbenzene	0.5	ND			
Total Xylene	0.5	ND			
Styrene	0.5	ND			
Bromoform	0.5	ND			
Isopropyl benzene	0.5	ND			
Bromobenzene	0.5	ND			
1,2,3-Trichloropropane	0.5	ND			
1,1,2,2,-Tetrachloroethane	0.5	ND			
Trans-1,4-dichloro-2-butene	0.5	ND			
2-Chlorotoluene	0.5	ND			
n-Propyl benzene	0.5	ND			
4-Chlorotoluene	0.5	ND			
1,3,5-Trimethyl benzene	0.5	ND			
tert-Butylbenzene	0.5	ND		,	
p-Isopropyl toluene	0.5	ND			
1,2,4-Trimethyl benzene	0.5	ND			
sec-Butylbenzene	0.5	ND			
1,3-Dichlorobenzene	0.5	ND			
1,4-Dichlorobenzene	0.5	ND			
1,2-Dichlorobenzene	0.5	ND			
n-Butylbenzene	0.5	ND			
1,2-Dibromo-3-chloropropan	0.5	ND			
1,2,4-Trichlorobenzene	0.5	ND			
Hexachlorobutadiene	1	ND			
Naphthalene	0.5	300			
1,2,3-Trichlorobenzene	0.5	ND			
Acetone	5	ND	194		
2-Butanone(MEK)	. 5	ND			
MTBE	0.5	ND			
4-Methyl-2-Pentanone (MIBK)	5	ND			
Ethyl-t-butyl Ether(ETBE)	1	ND			
Diisopropyl ether (DIPE)	1	ND			
TAME	1	ND			
t-Butanol	10	ND			
Ethanol	250	ND			

Tel: (951)779-0310

Fax: (951)779-0344

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

BL10-DW

Date Reported:

12/10/2015

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
			C12-C28	
	RL		0.1	
15-232-GW-2	L15L010-1	1	20	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

EPA 8260B (VOCs) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-VOCS4

Date Reported:

12/10/2015

MB/LCS/LCSD Report

Unit: mg/kg(PPM)

Compound	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
1,1-Dichloroethene	ND	0.020	0.018	0.020	90	100	11	≤20	80-120
Benzene	ND	0.020	0.019	0.018	95	90	5	≤20	80-120
Trichloroethene	ND	0.020	0.020	0.020	100	100	0	≤20	80-120
Toluene	ND	0.020	0.019	0.020	95	100	5	≤20	80-120
Chlorobenzene	ND	0.020	0.021	0.019	105	95	10	≤20	80-120

MB: Method Blank.

ND: Not Detected (Below MDL).

1650 S. Grove Ave., Suite C Ontario, CA 91761 Tel: (951)779-0310

Fax: (951)779-0344

EPA 8015B (TPH-Diesel) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.: BL10-DS

Date Reported:

12/10/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit:mg/kg (PPM)

Analyte	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %rec.	%RPD	%RPD Accept Limit	%Rec Accept Limit
TPH-D	ND	500	415	436	83	87	5	≤20	80-120

ND: Not Detected (at the specified limit).

MB: Method Blank.

LCS: Lab Control Sample.

LCSD: Lab Control Sample Duplicate.

EPA 6010B (LUFT 5 Metals) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.:

1210-MTS '

Date Reported:

12/10/2015

MB/LCS/LCSD Report

Unit: mg/kg (PPM)

	EPA	Method	Spike	LCS	LCSD	LCS	LCSD	%RPD	%RPD	%Rec.
Element	Method	Blank	Conc.			%Rec.	%Rec.		Accept	Accept
									Limit	Limit
Cadmium (Cd)	6010B	ND	50	55	49	110	98	12	≤20	80-120
Chromium (Cr)	6010B	ND	50	49	50	98	100	2	≤20	80-120
Lead (Pb)	6010B	ND	50	48	52	96	104	8	≤20	80-120
Nickel (Ni)	6010B	ND	50	50	50	100	100	0	≤20	80-120
Zinc (Zn)	6010B	ND	50	52	49	104	98	6	≤20	80-120

ND: Not Detected (Below Reporting Limit).

1650 S. Grove Ave., Suite C Ontario, CA 91761 Tel: (951)779-0310

Fax: (951)779-0344

SAME DAY RUSH

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PROJECT NAME: 1244	1 2 Sept	Nonue	3776	i CL	V BOC	JOB NUMBER: 15-232		MA	Silvi	/		\		
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ADDRESS: 1244 - 2	Sind Air	AIRNUS		38×1	LAND, CA		4130	18/18/ 18/18/	BA	/	5>	(S)		s
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Ms. Jean Lindsay

12/30/2015

Tel: (951)779-0310

Fax: (951)779-0344

L & W Construction Services, Inc.

5200 Redwood Hwy S.

Petaluma, CA 94952

Project:

15-232

Project Site:

1244 2nd Ave., Oakland, CA

Sample Date:

12/8/2015

Lab Job No.:

L15L008A

Dear Ms. Jean Lindsay:

Enclosed please find the analytical report for the samples received by A & R Laboratories on 12/10/2015 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxy.)

EPA 8015M (TPH-Diesel)

EPA 6010B (LUFT 5 Metals)

EPA 8015M (TPH-Gasoline)

EPA 8015M (TPH-Motor Oil)

EPA 8082 (PCBs)

EPA 8270C (Semi-VOCs)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

A & R Laboratories is certified by the CA DHS (Certificate No.2789). Thank you for giving us the opportunity to serve you.

Please feel free to call me at (951)779-0310 if our laboratory can be of further service to you.

Respectfully,

A & R Laboratories

Ken Zheng, M.S.

Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008A

Project:

15-232

Date Sampled:

12/8/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No.:

1210-VOCW4

Date Reported:

12/30/2015

Tel: (951)779-0310

Fax: (951)779-0344

EPA 8260B (BTEX, Oxy. & Naphthalene)

Reporting Unit: ug/L (PPB)

		Reporting Offic. ug	8-()
Date Analyzed		12/10/15	
Dilution Factor		100	
Lab Sample I.D.		L15L008-1	
Client Sample I.D.		15-232-GW	
Compound	RL		
Benzene	0.5	ND	
Toluene	0.5	ND	
Ethylbenzene	0.5	ND	
Total Xylene	1	ND	
MTBE	0.5	ND	
Ethyl-t-butyl Ether (ETBE)	1	ND	
Diisopropyl ether (DIPE)	1	ND	
TAME	1	ND	
t-Butanol	10	ND	
Naphthalene	1	500	

RL: Reporting Limit.

ND: Not Detected (Below Reporting Limit X Dilution Factor).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008A

Project:

15-232

Date Sampled:

12/8/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

AL10-DW

Date Reported:

12/30/2015

EPA 8260B (TPH-Gasoline)

Reporting Unit: ug/L (PPB)

Client Sample ID	Lab ID	Dilution Factor	Gasoline	
			C6-C12	
	RL		100	
15-232-GW	L15L008-1	1	280	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008A

Project:

15-232

Date Sampled:

12/8/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

BL10-DW

Date Reported:

12/30/2015

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
			C12-C28	
	RL		0.1	
15-232-GW	L15L008-1	1	50	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008A

Project:

15-232

Date Sampled:

12/8/2015 -

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/30/2015

Batch No.:

BL10-DW

Date Reported:

12/30/2015

EPA 8015M (TPH-Motor Oil)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Motor Oil	
			C23-C36	
	RL		2.5	
15-232-GW	L15L008-1	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client: L & W Construction Services, Inc. Lab Job No.: L15L008A Project: 15-232 Date Sampled: 12/8/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Water Date Analyzed: 12/30/2015 Batch No .: CL30-PCBW

Date Reported:

12/30/2015

EPA 8082 (PCBs)

Reporting Unit: ug/L (PPB)

			1111 118 2 (112)	
LAB SAMPLE I.D.		L15L008-1		
CLIENT SAMPLE I.D).	15-232-GW		
COMPOUND	RL			
Aroclor-1016	0.25	ND		
Aroclor-1221	0.25	ND		
Aroclor-1232	0.25	ND		
Aroclor-1242	0.25	ND		
Aroclor-1248	0.25	ND		
Aroclor-1254	0.25	ND		
Aroclor-1260	0.25	ND		

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client: L & W Construction Services, Inc. Lab Job No .: L15L008A Project: 15-232 Date Sampled: 12/8/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015. Matrix: Water Date Analyzed: 12/30/2015 Batch No .: 1230-SVOCW Date Reported: 12/30/2015

EPA 8270C (Semi-VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ug/L (PPB)

Date Analyzed		reporting o	12/30/15	T	
Date Extracted			12/10/15		
Dilution Factor			1		
Lab Sample I.D.			L15L008-1		
Client Sample I.D.			15-232-GW		
Compound	MDL	RL			
N-Nitrosodimethylamine	10.000	20.0	ND		
Pyridine	10.000	20.0	ND		
Aniline	10.000	20.0	ND		
Bis(2-chloroethyl) ether	10.000	20.0	ND		
Phenol	10.000	20.0	ND		
2-Chlorophenol	10.000	20.0	ND		
1,3-Dichlorobenzene	10.000	20.0	ND		
1,4-Dichlorobenzene	10.000	20.0	ND		
Benzyl alcohol	10.000	20.0	ND		
1,2-Dichlorobenzene	10.000	20.0	ND		
2-Methylphenol	10.000	20.0	ND		
Bis(2-chloroisopropyl) ether	10.000	20.0	ND		
4-Methylphenol	10.000	20.0	ND		
N-Nitroso-di-n-propyl	10.000	20.0	ND		
Hexachloroethane	10.000	20.0	ND		
Nitrobenzene	10.000	20.0	ND		
Isophorone	10.000	20.0	ND		
2-Nitrophenol	10.000	20.0	ND		
2,4-Dimethylphenol	10.000	20.0	ND		
Bis(2-Chloroethoxy) methane	10.000	20.0	ND ND		
Benzoic Acid	10.000	20.0			
2,4-Dichlorophenol	10.000	20.0	ND		
1,2,4-Trichlorobenzene	10.000	20.0	. ND		
Naphthalene	10.000	20.0	380		
4-Chloroaniline	10.000	20.0	ND		
Hexachlorobutadiene	10.000	20.0	ND		
4-Chloro-3-methylphenol	10.000	20.0	ŅD		
2-Methylnaphthalene	10.000	20.0	ND		
Hexachlorocyclopentadiene	10.000	20.0	ND		
2,4,6-Trichlorophenol	10.000	20.0	ND		
2,4,5-Trichlorophenol	10.000	20.0	ND		
2-Chloronaphthalene	10.000	20.0	ND		
2-Nitroaniline	10.000	20.0	ND		
Dimethylphthalate	10.000	20.0	ND		
Acenaphthylene	10.000	20.0	ND		
2,6-Dinitrotoluene	10.000	20.0	ND		

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

Tel: (951)779-0310

Fax: (951)779-0344

Client: L & W Construction Services, Inc. Lab Job No .: L15L008A Project: 15-232 Date Sampled: 12/8/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Water Date Analyzed: 12/30/2015 Batch No .: 1230-SVOCW Date Reported: 12/30/2015

EPA 8270C (Semi-VOCs by GC/MS, Page 2 of 2)

Reporting Unit: ug/L (PPB)

Date Analyzed	1		12/30/15		
Date Extracted		-	12/10/15		
Dilution Factor			1		
Lab Sample I.D			L15L008-1		
Client Sample I.D			15-232-GW		
Compound	MDL	RL	10 202 0 11		
3-Nitroaniline	10.000	20.0	ND	 	
Acenaphthene	10.000	20.0	ND		
2,4-Dinitrophenol	10.000	20.0	ND		
4-Nitrophenol	10.000	20.0	ND		
Dibenzofuran	10.000	20.0	ND		
2,4-Dinitrotoluene	10.000	20.0	ND		
Diethylphthalate	10.000	20.0	ND	+	
Fluorene	10.000	20.0	ND		
4-Chlorophenyl-phenylether	10.000	20.0	ND		
4-Nitroaniline	10.000	20.0	ND	+	
1,2-Diphenylhydrazine	10.000	20.0	ND	+	
4,6-Dinitro-2-methylphenol	10.000	20.0	ND		
N-Nitrosodiphenylamine	10.000	20.0	ND	1	
4-Bromophenyl-phenylether	10.000	20.0	ND		
Hexachlorobenzene	10.000	20.0	ND		
Pentachlorophenol	10.000	20.0	ND		
Benzidine	10.000	20.0	ND		
Phenanthrene	10.000	20.0	ND		
Anthracene	10.000	20.0	ND		
Carbazole	10.000	20.0	ND		
Di-n-butylphthalate	10.000	20.0	ND	-	
	10.000	20.0	ND		
Fluoranthene	10.000	20.0	ND	_	
Pyrene					
Butylbenzylphthalate	10.000	20.0	ND	-	
Benzo(a)anthracene 3,3'-Dichlorobenzidine	10.000	20.0	ND		
	10.000		ND		
Chrysene	10.000	20.0 20.0	ND		_
Bis(2-Ethylhexyl) phthalate	10.000		ND		
Di-n-octylphthalate	10.000	20.0	ND		
Benzo(b)fluoranthene	10.000	20.0	ND		
Benzo(k)fluoranthene	10.000	20.0	ND		
Benzo(a)pyrene	10.000	20.0	ND		
Indeno(1,2,3-cd)pyrene	10.000	20.0	ND		
Dibenzo(a,h)anthracene	10.000	20.0	ND		
Benzo(g,h,i)perylene	10.000	20.0	ND		
Creosote	50.000	100.0	ND		

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

Tel: (951)779-0310

Fax: (951)779-0344

Client: L & W Construction Services, Inc. Lab Job No.: L15L008A 15-232 Date Sampled: Project: 12/8/2015 Date Received: Project Site: 1244 2nd Ave., Oakland, CA 12/10/2015 Matrix: Water Date Digested: 12/30/2015 Extraction Method: EPA 3010 Date Analyzed: 12/30/2015 1230-MTW Batch No .: Date Reported: 12/30/2015

EPA 6010B (LUFT 5 Metals)

Report Units: mg/L (PPM)

Element	EPA	L15L008-1	RL
	Method	15-232-GW	
Cadmium (Cd)	6010B	ND	0.02
Chromium (Cr)	6010B	0.19	0.02
Lead (Pb)	6010B	ND	0.02
Nickel (Ni)	6010B	0.38	0.02
Zinc (Zn)	6010B	1.8	0.02

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

EPA 8260B (VOCs) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L008A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

1210-VOCW4

Date Reported:

12/30/2015

MB/LCS/LCSD Report

Unit: ug/L(PPB)

Compound	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
1,1-Dichloroethene	ND	20	19.5	20.5	97.5	103	5	≤20	80-120
Benzene	ND	20	20.2	19.5	101	98	4	≤20	80-120
Trichloroethene	ND	20	18.0	19.8	90	99	10	≤20	80-120
Toluene	ND	20	19.5	20.9	98	105	7	≤20	80-120
Chlorobenzene	ND	20	20.3	19.5	102	98	4	≤20	80-120

MB: Method Blank.

ND: Not Detected (Below MDL).

EPA 8015B (TPH-Diesel) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No .:

L15L008A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.: BL10-DS

Date Reported:

12/30/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit:mg/kg (PPM)

Analyte	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD	%RPD	%RPD Accept Limit	%Rec Accept Limit
TPH-D	ND	500	415	436	83	87	5	≤20	80-120

ND: Not Detected (at the specified limit).

MB: Method Blank.

LCS: Lab Control Sample.

LCSD: Lab Control Sample Duplicate.

EPA 6010B (LUFT 5 Metals) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No .:

L15L008A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Water

Date Analyzed:

12/30/2015

Batch No.:

1230-MTW (

Date Reported:

12/30/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit: mg/kg (PPM)

Element	EPA Method	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
Cadmium (Cd)	6010B	ND	1.00	0.95	0.99	95	99	4	≤20	80-120
Chromium (Cr)	6010B	ND	1.00	1.00	1.03	100	103	3	≤20	80-120
Lead (Pb)	6010B	ND	1.00	0.95	0.92	95	92	3	≤20	80-120
Nickel (Ni)	6010B	ND	1.00	1.02	1.02	102	102	0	≤20	80-120
Zinc (Zn)	6010B	ND	1.00	1.05	0.95	105	95	10	≤20	80-120

ND: Not Detected (Below Reporting Limit).

SAME DAY RUSH

L&W Construction Services, Ind., 5200	ion Servic	es, Inc	7. 5	25 250	Redwood Hwy S., Pet	Petaluma, CA 94952.	CHAIN	7	ı	CUSIODY	2		
SAMPLERS (SIGNATURE):	ii	5	8	B	d		ANALYSIS	735	57		316		
PROJECT NAME: 1244	4 2ND	5	Z	JE 1	N 30B N	JOB NUMBER: 15-232	MI	NA SA	Pre-	130	No.	\	/
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ADDRESS: 1244 Z	2nd Ave	Avenue	0	7	AND CHA		30,000	CAR	IVH.	3	37	27	185
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Ms. Jean Lindsay

12/28/2015

L & W Construction Services, Inc.

5200 Redwood Hwy S.

Petaluma, CA 94952

Project:

15-232

Project Site:

1244 2nd Ave., Oakland, CA

Sample Date:

12/9/2015

Lab Job No.:

L15L010A

Dear Ms. Jean Lindsay:

Enclosed please find the analytical report for the samples received by A & R Laboratories on 12/10/2015 and analyzed by the following EPA methods:

EPA 8260B (VOCs & Oxy.)

EPA 9045C (pH)

EPA 8015M (TPH-Diesel)

EPA 1030 (Flammability)

EPA 6010B (LUFT 5 Metals)

EPA 8015M (TPH-Gasoline)

EPA 8015M (TPH-Motor Oil)

EPA 8082 (PCBs)

EPA 8270C (Semi-VOCs)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

A & R Laboratories is certified by the CA DHS (Certificate No.2789). Thank you for giving us the opportunity to serve you.

Please feel free to call me at (951)779-0310 if our laboratory can be of further service to you.

Respectfully,

A & R Laboratories

Ken Zheng, M.S.

Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

1650 S. Grove Ave., Suite C

Ontario, CA 91761

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A Date Sampled: 12/9/2015 Project: 15-232 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Soil Date Analyzed: 12/10/2015 Batch No .: 1210-VOCS4 Date Reported: 12/28/2015

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2

Reporting Unit: mg/kg (PPM)

Date Analyzed		Reporting Unit:	mg/kg (FFWI)	T	
Dilution Factor		12/10/13			
	- 150	L15L010-2		-	
Lab Sample I.D.		15-232-12-9		_	
Client Sample I.D.	RL	15-232-12-9			
Compound	0.005	ND			
Dichlorodifluoromethane					
Chloromethane	0.005	ND			
Vinyl Chloride	0.005	ND			
Bromomethane	0.005	ND			
Chloroethane	0.005	ND			
Trichlorofluoromethane	0.005	ND			
1,1-Dichloroethene	0.005	ND			
Carbon disulfide	0.005	ND			
Methylene chloride	0.005	ND			
Trans-1,2-Dichloroethene	0.005	ND			
1,1-Dichloroethane	0.005	ND			
2,2-Dichloropropane	0.005	ND			
Cis-1,2-Dichloroethene	0.002	ND			
Bromochloromethane	0.005	ND			
Chloroform	0.005	ND			
1,1,1-Trichloroethane	0.005	ND			
Vinyl acetate	0.005	ND			
Carbontetrachloride	0.005	ND			
1,1-Dichloropropene	0.005	ND			
1,2-Dichloroethane	0.005	ND			
Benzene	0.001	ND			
Trichloroethene	0.002	ND			
1,2-Dichlorpropane	0.005	ND			
Methyl methacrylate	0.005	ND			
Dibromomethane	0.005	ND			
Bromodichloromethane	0.005	ND			
2-Chloroethyl Vinyl Ether	0.005	ND			
Cis-1,3-Dichloropropene	0.005	ND			
Toluene	0.001	ND			
Trans-1,3-Dichloropropene	0.005	ND			
Ethylmethacrylate	0.005	ND			
1,1,2-Trichloroethane	0.005	ND			
Dibromochloromethane	0.005	ND			
1,2-Dibromoethane (EDB)	0.005	ND			
Tetrachloroethene	0.002	ND			
1,3-Dichloropropane	0.005	ND			
Chlorobenzene	0.005	ND			

Tel: (951)779-0310

Fax: (951)779-0344

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A Project: 15-232 Date Sampled: 12/9/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Soil Date Analyzed: 12/10/2015 Batch No .: 1210-VOCS4 Date Reported: 12/28/2015

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2

Reporting Unit: mg/kg (PPM)

		Reporting Uni	. IIIg/kg (FFIVI	1)	
Date Analyzed		12/10/15			
Dilution Factor		1			
Lab Sample I.D.		L15L010-2			
Client Sample I.D.		15-232-12-9			
Compound	RL				
1,1,1,2-Tetrachloroethane	0.005	ND			
Ethylbenzene	0.001	ND			
Total Xylene	0.002	ND			
Styrene	0.005	ND			
Bromoform	0.005	ND			
Isopropyl benzene	0.005	ND			
Bromobenzene	0.005	ND			
1,2,3-Trichloropropane	0.005	ND			
1,1,2,2,-Tetrachloroethane	0.005	ND			
Trans-1,4-dichloro-2-butene	0.005	ND			
2-Chlorotoluene	0.005	ND			
n-Propyl benzene	0.005	ND			
4-Chlorotoluene	0.005	ND			
1,3,5-Trimethyl benzene	0.005	ND			
tert-Butylbenzene	0.005	ND			
p-Isopropyl toluene	0.005	ND			
1,2,4-Trimethyl benzene	0.005	ND			
sec-Butylbenzene	0.005	ND			
1,3-Dichlorobenzene	0.005	ND			
1,4-Dichlorobenzene	0.005	ND			
1,2-Dichlorobenzene	0.005	ND			
n-Butylbenzene	0.005	ND			
1,2-Dibromo-3-chloropropa	0.005	ND			
1,2,4-Trichlorobenzene	0.005	ND			
Hexachlorobutadiene	0.005	ND			
Naphthalene	0.005	ND			
1,2,3-Trichlorobenzene	0.005	ND			
Aceton	0.950	ND			
2-Butanone(MEK)	0.300	ND			
MTBE	0.001	ND			
4-Methyl-2-Pentanone (MIE	0.050	ND			
Ethyl-t-butyl Ether(ETBE)	0.002	ND			
Diisopropyl ether (DIPE)	0.002	ND			
TAME	0.002	ND			
t-Butanol	0.020	ND			

Tel: (951)779-0310

Fax: (951)779-0344

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.:

AL10-GS

Date Reported:

12/28/2015

EPA 8260B (TPH-Gasoline)

Reporting Unit: mg/kg (PPM)

Client Sample ID	Lab ID	Dilution Factor	Gasoline	
			C6-C12	
	RL		1	
15-232-12-9	L15L010-2	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No .:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.:

BL10-DS

Date Reported:

12/28/2015

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/kg (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
			C12-C28	
	RL		10	
15-232-12-9	L15L010A-2	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/28/2015

Batch No .:

BL28-DS

Date Reported:

12/28/2015

EPA 8015M (TPH-Motor Oil)

Reporting Unit: mg/kg (PPM)

Client Sample ID	Lab ID	Dilution Factor	Motor Oil	
			C23-C36	
	RL		50	
15-232-12-9	L15L010-2	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

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Fax: (951)779-0344

Client:	L & W Construction Services, Inc.	Lab Job No.:	L15L010A
Project:	15-232	Date Sampled:	12/9/2015
Project Site:	1244 2nd Ave., Oakland, CA	Date Received:	12/10/2015
Matrix:	Soil	Date Digested:	12/10/2015
Extraction Method:	EPA 3050	Date Analyzed:	12/10/2015
Batch No.:	1210-MTS	Date Reported:	12/28/2015

EPA 6010B (LUFT 5 Metals)

Report Units: mg/kg (PPM)

Element	EPA	L15L010-2	RL
	Method	15-232-12-9	
Cadmium (Cd)	6010B	ND	2
Chromium (Cr)	6010B	8.9	2
Lead (Pb)	6010B	ND	2
Nickel (Ni)	6010B	5.7	2
Zinc (Zn)	6010B	5.3	2

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No .:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-FLAS

Date Reported:

12/28/2015

EPA 1030 (Flash Point)

Unit: °F

		Omn I	
Analyte	EPA	L15L010A-2	
	Method	15-232-12-9	
Flash Point	1030	>200	

Client: L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-pH

Date Reported:

12/28/2015

Tel: (951)779-0310

Fax: (951)779-0344

EPA 9045C (pH)

Analyte	EPA	L15L010A-2	
	Method	15-232-12-9	
pН	9045C	6.85	

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A 15-232 Date Sampled: 12/9/2015 Project: Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Soil Date Analyzed: 12/28/2015 Batch No.: 1228-SVOCS Date Reported: 12/28/2015

EPA 8270C (Semi-VOCs by GC/MS, Page 1 of 2)

Reporting Unit: mg/kg (PPM)

Date Analyzed		reporting c	12/28/15	
Date Extracted	•		12/10/15	
Dilution Factor			1	
Lab Sample I.D.			L15L010-2	
Client Sample I.D.			15-232-12-9	
Compound	MDL	RL	15-252-12-7	
N-Nitrosodimethylamine	0.025	0.3	ND	
Pyridine	0.025	0.3	ND	
Aniline	0.025	0.3	ND	
Bis(2-chloroethyl) ether	0.025	0.3	ND	
Phenol	0.025	0.3	ND	
2-Chlorophenol	0.025	0.3	ND	
1,3-Dichlorobenzene	0.025	0.3	ND	
1,4-Dichlorobenzene	0.025	0.3	ND	
Benzyl alcohol	0.025	0.3	ND	
1,2-Dichlorobenzene	0.025	0.3	ND	
2-Methylphenol	0.025	0.3	ND ND	
Bis(2-chloroisopropyl) ether	0.025	0.3	ND ND	
4-Methylphenol	0.025	0.3	ND ND	
	0.025	0.3	ND ND	
N-Nitroso-di-n-propyl Hexachloroethane	0.025	0.3	ND ND	
Nitrobenzene	0.025	0.3	ND	
Isophorone	0.025	0.3	ND ND	
2-Nitrophenol	0.025	0.3	ND	
2,4-Dimethylphenol	0.025	0.3	ND	
Bis(2-Chloroethoxy) methane	0.025	0.3	ND	
Benzoic Acid	0.025	0.3	ND	
2,4-Dichlorophenol	0.025	0.3	ND	
1,2,4-Trichlorobenzene	0.025	0.3	. ND	
Naphthalene	0.025	0.3	ND	
4-Chloroaniline	0.025	0.3	ND	
Hexachlorobutadiene	0.025	0.3	ND	
4-Chloro-3-methylphenol	0.025	0.3	.ND	
2-Methylnaphthalene	0.025	0.3	ND	
Hexachlorocyclopentadiene	0.025	0.3	ND	
2,4,6-Trichlorophenol	0.025	0.3	ND	
2,4,5-Trichlorophenol	0.025	0.3	ND	
2-Chloronaphthalene	0.025	0.3	ND	
2-Nitroaniline	0.025	0.3	ND	
Dimethylphthalate	0.025	0.3	ND	
Acenaphthylene	0.025	0.3	ND	
2,6-Dinitrotoluene	0.025	0.3	ND	

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

Tel: (951)779-0310

Fax: (951)779-0344

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A 15-232 Date Sampled: 12/9/2015 Project: Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Soil Date Analyzed: 12/28/2015 Batch No .: 1228-SVOCS Date Reported: 12/28/2015

EPA 8270C (Semi-VOCs by GC/MS, Page 2 of 2)

Reporting Unit: mg/kg (PPM)

Data Analyzad		reporting e	12/28/15	
Date Analyzed Date Extracted			12/10/15	
Date Extracted Dilution Factor			1 1	
Lab Sample I.D.			L15L010-2	
Client Sample I.D.			15-232-12-9	
Compound Cheft Sample 1.D.	MDL	RL	13-232-12-9	
3-Nitroaniline	0.025	0.3	ND	
	0.025	0.3	ND ND	
Acenaphthene			ND ND	
2,4-Dinitrophenol	0.025 0.025	0.3	ND ND	
4-Nitrophenol				
Dibenzofuran 2,4-Dinitrotoluene	0.025 0.025	0.3	ND ND	
Diethylphthalate	0.025 0.025	0.3	ND ND	
Fluorene	0.025	0.3	ND ND	
4-Chlorophenyl-phenylether 4-Nitroaniline	0.025	0.3	ND ND	
The state of the s			10.000	
1,2-Diphenylhydrazine	0.025	0.3	ND	
4,6-Dinitro-2-methylphenol	0.025	0.3	ND	
N-Nitrosodiphenylamine	0.025	0.3	ND	
4-Bromophenyl-phenylether	0.025	0.3	ND	
Hexachlorobenzene	0.025	0.3	ND	
Pentachlorophenol	0.025	0.3	ND	
Benzidine	0.025	0.3	ND	
Phenanthrene	0.025	0.3	ND	
Anthracene	0.025	0.3	ND	
Carbazole	0.025	0.3	ND	
Di-n-butylphthalate	0.025	0.3	ND	
Fluoranthene	0.025	0.3	ND	
Pyrene	0.025	0.3	. ND	
Butylbenzylphthalate	0.025	0.3	ND	
Benzo(a)anthracene	0.025	0.3	ND	
3,3'-Dichlorobenzidine	0.025	0.3	ND	
Chrysene	0.025	0.3	, ND	
Bis(2-Ethylhexyl) phthalate	0.025	0.3	ND	
Di-n-octylphthalate	0.025	0.3	ND	
Benzo(b)fluoranthene	0.025	0.3	ND	
Benzo(k)fluoranthene	0.025	0.3	ND	
Benzo(a)pyrene	0.025	0.3	ND	
Indeno(1,2,3-cd)pyrene	0.025	0.3	ND	
Dibenzo(a,h)anthracene	0.025	0.3	ND	
Benzo(g,h,i)perylene	0.025	0.3	ND	
Creosote	0.500	1.0	ND	

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

Tel: (951)779-0310

Fax: (951)779-0344

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015 .

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Soil

Date Analyzed:

12/28/2015

Batch No .:

CL28-PCBS-

Date Reported:

12/28/2015

EPA 8082 (PCBs)

Reporting Unit: mg/kg (PPM)

LAB SAMPLE I.D.	AB SAMPLE I.D.			
CLIENT SAMPLE I.D.		15-232-12-9		
COMPOUND	RL			
Aroclor-1016	0.05	ND		
Aroclor-1221	0.05	ND		
Aroclor-1232	0.05	ND		
Aroclor-1242	0.05	ND		
Aroclor-1248	0.05	ND		
Aroclor-1254	0.05	ND		
Aroclor-1260	0.05	ND		

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client: L & W Construction Services, Inc.
Project: 15-232

Lab Job No.: L15L010A

Project: Project Site:

1244 2nd Ave., Oakland, CA

Date Sampled: 12/9/2015 Date Received: 12/10/2015 Date Analyzed: 12/10/2015

Matrix: Batch No.: Water 1210-VOCW4 Date Analyzed: 12/10/2015 Date Reported: 12/28/2015

Tel: (951)779-0310

Fax: (951)779-0344

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 1 of 2

Reporting Unit: ug/L (PPB)

B		Reporting Unit:	ug/L (FPB)		
Date Analyzed	12/28/15				
Dilution Factor		100			
Lab Sample I.D.		L15L010-1			
Client Sample I.D.	D.	15-232-GW-2			
Compound	RL				
Dichlorodifluoromethane	0.5	ND			
Chloromethane	0.5	ND			
Vinyl Chloride	0.5	ND			
Bromomethane	0.5	ND			
Chloroethane	0.5	ND			
Trichlorofluoromethane	0.5	ND			
1,1-Dichloroethene	0.5	ND			
Carbon disulfide	0.5	ND			
Methylene chloride	0.5	ND			
Trans-1,2-Dichloroethene	0.5	ND			
1,1-Dichloroethane	0.5	ND			
2,2-Dichloropropane	0.5	ND			
Cis-1,2-Dichloroethene	0.5	ND			
Bromochloromethane	0.5	ND			
Chloroform	0.5	ND			
1,1,1-Trichloroethane	0.5	ND			
Vinyl acetate	0.5	ND			
Carbontetrachloride	0.5	ND			
1,1-Dichloropropene	0.5	ND			
1,2-Dichloroethane	0.5	ND			
Benzene	0.5	ND			
Trichloroethene	0.5	ND		_	
1,2-Dichlorpropane	0.5	ND			
Methyl methacrylate	1	ND			
Dibromomethane	0.5	ND			
Bromodichloromethane	0.5	ND			
2-Chloroethyl Vinyl Ether	0.5	ND			
Cis-1,3-Dichloropropene	0.5	ND	- 14		
Toluene	0.5	ND			
Trans-1,3-Dichloropropene	0.5	ND	6		
Ethylmethacrylate	0.5	ND			
1,1,2-Trichloroethane	0.5	ND			
Dibromochloromethane	0.5	ND			
1,2-Dibromoethane (EDB)	0.5	ND			
Tetrachloroethene	0.5	ND			
1,3-Dichloropropane	0.5	ND			
Chlorobenzene	0.5	ND			

RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A Project: 15-232 Date Sampled: 12/9/2015 Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015 Matrix: Water Date Analyzed: 12/10/2015 Date Reported: 12/28/2015 Batch No .: 1210-VOCW4

EPA 8260B (VOCs & Oxy.) by GC/MS, Page 2 of 2

Reporting Unit: ug/L (PPB)

		Reporting Unit:	ug/L (FFB)		
Date Analyzed		12/28/15			
Dilution Factor	- T	100			
Lab Sample I.D.		L15L010-1			
Client Sample I.D.		15-232-GW-2			
Compound	RL		0		
1,1,1,2-Tetrachloroethane	0.5	ND			
Ethylbenzene	0.5	ND			
Total Xylene	0.5	ND			
Styrene	0.5	ND			
Bromoform	0.5	ND			
Isopropyl benzene	0.5	ND			
Bromobenzene	0.5	ND			
1,2,3-Trichloropropane	0.5	ND			
1,1,2,2,-Tetrachloroethane	0.5	ND			
Trans-1,4-dichloro-2-butene	0.5	ND			
2-Chlorotoluene	0.5	ND			
n-Propyl benzene	0.5	ND			
4-Chlorotoluene	0.5	ND			
1,3,5-Trimethyl benzene	0.5	ND			
tert-Butylbenzene	0.5	ND			
p-Isopropyl toluene	0.5	ND			
1,2,4-Trimethyl benzene	0.5	ND			
sec-Butylbenzene	0.5	ND			
1,3-Dichlorobenzene	0.5	ND			
1,4-Dichlorobenzene	0.5	ND			
1,2-Dichlorobenzene	0.5	ND			
n-Butylbenzene	0.5	ND			
1,2-Dibromo-3-chloropropan	0.5	ND			
1,2,4-Trichlorobenzene	0.5	ND			
Hexachlorobutadiene	1	ND			
Naphthalene	0.5	300			
1,2,3-Trichlorobenzene	0.5	ND			
Acetone	5	ND	4		
2-Butanone(MEK)	. 5	ND			
MTBE	0.5	ND			
4-Methyl-2-Pentanone (MIBK)	5	ND			
Ethyl-t-butyl Ether(ETBE)	1	ND			
Diisopropyl ether (DIPE)	1	ND			
TAME	1	ND			
t-Butanol	10	ND			
Ethanol	250	ND			

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RL=Reporting Limit; ND=Not Detected (Below Dilution Factor x RL).

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015 -

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

AL10-DW

Date Reported:

12/28/2015

EPA 8260B (TPH-Gasoline)

Reporting Unit: ug/L (PPB)

Client Sample ID	Lab ID	Dilution Factor	Gasoline	
			C6-C12	
	RL		100	
15-232-GW-2	L15L010-1	Í	120	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/10/2015

Batch No .:

BL10-DW

Date Reported:

12/28/2015

EPA 8015M (TPH-Diesel)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Diesel	
			C12-C28	
	RL		0.1	
15-232-GW-2	L15L010A-1	1	20	

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761 Tel: (951)779-0310

Fax: (951)779-0344

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015 -

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/28/2015

Batch No .:

BL10-DW

Date Reported:

12/28/2015

EPA 8015M (TPH-Motor Oil)

Reporting Unit: mg/L (PPM)

Client Sample ID	Lab ID	Dilution Factor	Motor Oil	
			C23-C36	
	RL		2.5	
15-232-GW-2	L15L010-1	1	ND	

RL=Reporting Limit; ND=Not Detected (Below RL).

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Fax: (951)779-0344

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Analyzed:

12/28/2015

Batch No.:

CL28-PCBW

Date Reported:

12/28/2015

EPA 8082 (PCBs)

Reporting Unit: ug/L (PPB)

LAB SAMPLE I.D.				
CLIENT SAMPLE I.D				
COMPOUND	RL			
Aroclor-1016	0.25	ND		
Aroclor-1221	0.25	ND		
Aroclor-1232	0.25	ND		
Aroclor-1242	0.25	ND		
Aroclor-1248	0.25	ND		
Aroclor-1254	0.25	ND		
Aroclor-1260	0.25	ND		

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

Client: L & W Construction Services, Inc.
Project: 15-232

Lab Job No.: Date Sampled: L15L010A

Project: Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/9/2015 12/10/2015

Matrix:

Water

Date Analyzed:

12/28/2015

Tel: (951)779-0310

Fax: (951)779-0344

Batch No.: 1228-SVOCW

Date Reported:

12/28/2015

EPA 8270C (Semi-VOCs by GC/MS, Page 1 of 2)

Reporting Unit: ug/L (PPB)

Date Analyzed		repering e	12/28/15		
Date Extracted	\$		12/10/15		
Dilution Factor			1		
Lab Sample I.D.			L15L010-1		
Client Sample I.D.					
Compound Compound	MDL	RL	15-232-GW-2		
N-Nitrosodimethylamine	10.000	20.0	ND	<u> </u>	
Pyridine	10.000	20.0	ND		
Aniline	10.000	20.0	ND		
Bis(2-chloroethyl) ether	10.000	20.0	ND		
Phenol	10.000	20.0	ND		
2-Chlorophenol	10.000	20.0	ND		
1.3-Dichlorobenzene	10.000	20.0	ND		
1,4-Dichlorobenzene	10.000	20.0	ND		
Benzyl alcohol	10.000	20.0	ND		
1.2-Dichlorobenzene	10.000	20.0	ND	-	
2-Methylphenol	10.000	20.0	ND		
Bis(2-chloroisopropyl) ether	10.000	20.0	ND		
4-Methylphenol	10.000	20.0	ND		
N-Nitroso-di-n-propyl	10.000	20.0	ND		
Hexachloroethane	10.000	20.0	ND		
Nitrobenzene	10.000	20.0	ND		
Isophorone	10.000	20.0	ND	-	
2-Nitrophenol	10.000	20.0	ND		
2,4-Dimethylphenol	10.000	20.0	ND	+	
Bis(2-Chloroethoxy) methane	10.000	20.0	ND		
Benzoic Acid	10.000	20.0	ND		
2,4-Dichlorophenol	10.000	20.0	ND	-	
1,2,4-Trichlorobenzene	10.000	20.0	. ND		
Naphthalene	10.000	20.0	250		
4-Chloroaniline	10.000	20.0	ND		
Hexachlorobutadiene	10.000	20.0	ND		
4-Chloro-3-methylphenol	10.000	20.0	ND		
2-Methylnaphthalene	10.000	20.0	ND		
Hexachlorocyclopentadiene	10.000	20.0	ND		
2,4,6-Trichlorophenol	10.000	20.0	ND		
2,4,5-Trichlorophenol	10.000	20.0	ND		
2-Chloronaphthalene	10.000	20.0	ND		
2-Nitroaniline	10.000	20.0	ND		
Dimethylphthalate	10.000	20.0	ND		
Acenaphthylene	10.000	20.0	ND		
2,6-Dinitrotoluene	10.000	20.0	ND		
2,0-Dimitotolucile	10.000	20.0	ND		

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

Client: L & W Construction Services, Inc. Lab Job No.: L15L010A Project: 15-232 Date Sampled: Project Site: 1244 2nd Ave., Oakland, CA Date Received: 12/10/2015

Matrix: Water Date Analyzed: 12/28/2015 1228-SVOCW Date Reported: 12/28/2015 Batch No .:

EPA 8270C (Semi-VOCs by GC/MS, Page 2 of 2)

Reporting Unit: ug/L (PPB)

Date Analyzed		reporting c	12/28/15		
Date Extracted			12/10/15		
Dilution Factor			12/10/13		
Lab Sample I.D			L15L010-1		
Client Sample I.D					
Compound	MDL	RL	15-232-GW-2		
3-Nitroaniline	10.000	20.0	ND	-	
Acenaphthene	10.000	20.0	ND		
2,4-Dinitrophenol	10.000	20.0	ND		
4-Nitrophenol	10.000	20.0	ND		
Dibenzofuran	10.000	20.0	ND		
2,4-Dinitrotoluene	10.000	20.0	ND		
Diethylphthalate	10.000	20.0	ND		
Fluorene	10.000	20.0	ND		
4-Chlorophenyl-phenylether	10.000	20.0	ND		
4-Nitroaniline	10.000	20.0	ND		
1,2-Diphenylhydrazine	10.000	20.0	ND		
4,6-Dinitro-2-methylphenol	10.000	20.0	ND		
N-Nitrosodiphenylamine	10.000	20.0	ND		
4-Bromophenyl-phenylether	10.000	20.0	ND		
Hexachlorobenzene	10.000	20.0	ND		
Pentachlorophenol	10.000	20.0	ND		
Benzidine	10.000	20.0	ND		
Phenanthrene	10.000	20.0	ND		
Anthracene	10.000	20.0	ND		
Carbazole	10.000	20.0	ND		
Di-n-butylphthalate	10.000	20.0	ND		
Fluoranthene	10.000	20.0	ND		
Pyrene	10.000	20.0	, ND		
Butylbenzylphthalate	10.000	20.0	ND		
Benzo(a)anthracene	10.000	20.0	ND		
3,3'-Dichlorobenzidine	10.000	20.0	ND		
Chrysene	10.000	20.0	ND		
Bis(2-Ethylhexyl) phthalate	10.000	20.0	ND		
Di-n-octylphthalate	10.000	20.0	ND		
Benzo(b)fluoranthene	10.000	20.0	ND		
Benzo(k)fluoranthene	10.000	20.0	ND		
Benzo(a)pyrene	10.000	20.0	ND		
Indeno(1,2,3-cd)pyrene	10.000	20.0	ND		
Dibenzo(a,h)anthracene	10.000	20.0	ND		
Benzo(g,h,i)perylene	10.000	20.0	ND		
Creosote	50.000	100.0	ND		

RL=Reporting Limit; ND=Not Detected (Below MDL x Dilution Factor); MDL=Method Detection Limit. J=Trace Value Detected Between RL and MDL.

1650 S. Grove Ave., Suite C Ontario, CA 91761

Tel: (951)779-0310 Fax: (951)779-0344

12/9/2015

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Date Sampled:

12/9/2015

Project Site:

1244 2nd Ave., Oakland, CA

Date Received:

12/10/2015

Matrix:

Water

Date Digested:

12/28/2015

Extraction Method: EPA 3010

Date Analyzed:

12/28/2015

Batch No .:

1228-MTW

Date Reported:

12/28/2015

EPA 6010B (LUFT 5 Metals)

Report Units: mg/L (PPM)

Element	EPA	L15L010-1	RL
	Method	15-232-GW-2	
Cadmium (Cd)	6010B	ND	0.02
Chromium (Cr)	6010B	0.15	0.02
Lead (Pb)	6010B	ND	0.02
Nickel (Ni)	6010B	0.2	0.02
Zinc (Zn)	6010B	1.5	0.02

RL=Reporting Limit; ND=Not Detected (Below RL).

1650 S. Grove Ave., Suite C Ontario, CA 91761

EPA 8260B (VOCs) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-VOCS4

Date Reported:

12/28/2015

Tel: (951)779-0310

Fax: (951)779-0344

MB/LCS/LCSD Report

Unit: mg/kg(PPM)

Compound	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
1,1-Dichloroethene	ND	0.020	0.018	0.020	90	100	11	≤20	80-120
Benzene	ND	0.020	0.019	0.018	95	90	5	≤20	80-120
Trichloroethene	ND	0.020	0.020	0.020	100	100	0	≤20	80-120
Toluene	ND	0.020	0.019	0.020	95	100	5	≤20	80-120
Chlorobenzene	ND	0.020	0.021	0.019	105	95	10	≤20	80-120

MB: Method Blank.

ND: Not Detected (Below MDL).

EPA 8015B (TPH-Diesel) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No.:

L15L010A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No.: BL10-DS

Date Reported:

12/28/2015

MB/LCS/LCSD Report

Unit:mg/kg (PPM)

Analyte	Method Blank	Spike	LCS	LCSD	LCS %Rec.	LCSD %rec.	%RPD	%RPD Accept Limit	%Rec Accept Limit
TPH-D	ND	500	415	436	83	87	5	≤20	80-120

ND: Not Detected (at the specified limit).

MB: Method Blank.

LCS: Lab Control Sample.

LCSD: Lab Control Sample Duplicate.

1650 S. Grove Ave., Suite C Ontario, CA 91761

EPA 6010B (LUFT 5 Metals) Batch QA/QC Report

Client:

L & W Construction Services, Inc.

Lab Job No .:

L15L010A

Project:

15-232

Lab Sample ID:

LCS

Matrix:

Soil

Date Analyzed:

12/10/2015

Batch No .:

1210-MTS /

Date Reported:

12/28/2015

MB/LCS/LCSD Report

Unit: mg/kg (PPM)

				Omt. m	g/kg (II	141)				
Element	EPA Method	Method Blank	Spike Conc.	LCS	LCSD	LCS %Rec.	LCSD %Rec.	%RPD	%RPD Accept Limit	%Rec. Accept Limit
Cadmium (Cd)	6010B	ND	50	55	49	110	98	12	≤20	80-120
Chromium (Cr)	6010B	ND	50	49	50	98	100	2	≤20	80-120
Lead (Pb)	6010B	ND	50	48	52	96	104	8	≤20	80-120
Nickel (Ni)	6010B	ND	50	50	50	100	100	0	≤20	80-120
Zinc (Zn)	6010B	ND	50	52	49	104	98	6	≤20	80-120

ND: Not Detected (Below Reporting Limit).

1650 S. Grove Ave., Suite C Ontario, CA 91761

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APPENDIX D PHOTO DOCUMENTATION



Construction Services, Inc.

1550 Wallace Avenue, San Francisco, CA 94124, Phone (415) 822-4555 FAX (415) 822-5290 Corporate Offices 5200 Redwood Highway South, Petaluma, CA 94952 Phone (707) 766-9511 FAX (707) 766-9049

UNDERGROUND STORAGE TANK REMOVAL 1244 2ND AVENUE OAKLAND, CALIFORNIA



Trenchshield is installed to support excavation due to groundwater intrusion.



Groundwater in Excavation



Construction Services, Inc.

1550 Wallace Avenue, San Francisco, CA 94124, Phone (415) 822-4555 FAX (415) 822-5290 Corporate Offices 5200 Redwood Highway South, Petaluma, CA 94952 Phone (707) 766-9511 FAX (707) 766-9049

UNDERGROUND STORAGE TANK REMOVAL 1244 2ND AVENUE OAKLAND, CALIFORNIA





UST Removal



Construction Services, Inc.

1550 Wallace Avenue, San Francisco, CA 94124, Phone (415) 822-4555 FAX (415) 822-5290 Corporate Offices 5200 Redwood Highway South, Petaluma, CA 94952 Phone (707) 766-9511 FAX (707) 766-9049

UNDERGROUND STORAGE TANK REMOVAL 1244 2ND AVENUE OAKLAND, CALIFORNIA



Groundwater in excavation.



Loading UST for transport to metal recycling facility.