Green Oak Builders Inc.
888 Brannan St., Suite 101
San Francisco, CA 94101

Date: 5/16/2015
From: Mona Hsieh
To; Haz. Materials Specialist, Alameda Co. Environmental Health
Subject: 3101 35th St., Oakland, CA RO 3164

Perjury Statement

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Mona Hsieh
President

Environmental Restoration Services

Site Investigations * Fuel Tank Closures and Installations * Site Remediation * Regulatory Reporting

Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

May 6, 2015

Attn: Mr. Keith Nowell ; Haz Mat. Specialist for : Green Oaks Builders Inc.
3101 35th St., Oakland Case No. RO-0003164

Re: Report of Interim Remedial Action

1.0 INTRODUCTION

The purpose of this Report is to describe the Interim Remedial Action (IRA) that removed hydrocarbon impacted soil in the vicinity of underground storage tank (UST) system (piping to former fuel dispenser locations) components, discovered during UST removal activities in January of 2015 at the above mentioned site. This report first reviews the known site history and describes the site vicinity. The remedial action scope of this report describes excavation dimensions and excavation extremity soil sampling and analytical analysis. This report further documents impacted soil disposal.

1.1 Site Location

The Property is located on the northern corner of the intersection of 35th Avenue and School Street, in a commercial/residential district of the City of Oakland, Alameda County, California (Figure 1).

1.2. Description of Site Use

The Property consists of a rectangular-shaped parcel of approximately 10,000 square feet in size, which was improved with a one-story gasoline service station building of approximately 2,592 square feet. According to the Property profile, the building was constructed in 1960 and demolished in November of 2014. The subject Property is currently vacant and asphalt and concrete surfaced.

1.3 Background

Based on historical research, a gasoline service station operated at the Property from prior to 1929. In 1960 most recent service station building (recently demolished) was constructed by Texaco Oil, who operated the station to about 1982, when Texaco sold the Property. In later years the building was used for auto parts sales and auto glass. It appears that the main “Texaco” USTs were located on the southern corner of the property (Figure 2) and had previously been removed at an unknown date. and

On January 27, 2015, two 350 gallon USTs last containing gasoline and one 350 gallon UST last containing used oil removed from the property (Figure 2). Analytical results of soil samples recovered from below corroded piping and in the vicinity of former dispenser locations associated with the 350 gallon gasoline USTs, showed levels of Total Petroleum Hydrocarbons as gasoline (TPH/g) at up to 850 milligrams per kilogram (mg/kg).

2.0 SITE DESCRIPTION

2.1 Site Description

The site is located on the corner of 35th Street and School Street (Figure 1). Peralta Creek is located approximately 200 yards to the northwest of the site.

2.2 Vicinity Map

A vicinity map is given in Figure 1, which includes information on adjacent streets.

2.3 Depth to Groundwater

Depth to groundwater at the site, based on a September 2013 depth to water measurement of a monitoring well (MW-6) associated with the neighboring 3055 35th St. LUFT (Former Exxon) site and located approximately 15 feet west of the subject site property line (Figure 2), is 13 to 15 feet below ground surface (bgs.). Groundwater gradient flow direction in the vicinity of the subject site, based on historical groundwater gradient data from the Former Exxon site, has consistently been to the west.

2.4 Soil Profile

The gasoline UST removal excavation sidewalls and bottom show predominately silty, low plasticity clays starting at the surface and extending to approximately two feet bgs.. From approximately two feet bgs. to approximately the excavation bottom sample locations (+/- 10 feet) consisted of clayey sand to sandy clay with some gravels.

2.5 Waste Removal

Two gasoline fuel tanks and one used oil tank have been removed from the site. Approximately 60 cubic yards of TPH impacted soil from the recent UST removal and IRA activities has disposed of off-site.

2.6 Previous Subsurface Investigations

No subsurface investigations have been performed at the site.

3.0 INTERIM REMEDIAL ACTION SCOPE OF WORK

Since shallow hydrocarbon impacted soil exists in the vicinity of UST system former fuel dispenser locations, ERS, on March 23, 2015, removed this impacted soil the same day existing TPH impacted stockpiles (from UST removal activities) were being loaded for disposal.

3.1 Over-Excavation of Former Dispenser Locations

On March 23, 2015 ERS over-excavated the vicinity of the southwestern dispenser island in an attempt to remove the majority of THP/g impacted soil. The this location (Figure 2) was excavated to the approximate dimensions of 6 feet wide by 25 feet long to approximate depth of 6 feet bgs..

From this excavation, approximately 25 cubic yards of non-hazardous petroleum contaminated soil, combined with approximately 25 cubic yards of non-hazardous petroleum contaminated soil from UST removal activities, was transported to Republic Services Newby Island Landfill under Non-Hazardous Waste Manifests and disposed of. Non-Hazardous Waste Manifests are contained in the appendix of this remedial action report.

3.2 Excavation Extremity Soil Sampling

On April 16, 2015, Joel G. Greger, CEG (# EG1633) recovered two soil samples (DispDd6' & DispHd6') from the excavation bottom at approximately 6' bgs., two soil samples (DispBd5' & DispFd5') from the northeast long excavation sidewall (25' sidewall) at approximately 5' bgs. and 4' bgs., two soil samples (DispEd5' & DispCd5') from the southwest long excavation sidewall (25' sidewall) at approximately 5', one soil sample (DispAd5') from the northwest short excavation sidewall (6' sidewall) at approximately 5' bgs.and one soil sample from southeast the short excavation sidewall (6' sidewalls) at approximately 5' bgs.. Sample locations are shown in Figure 2.

All excavation soil samples were recovered within two inch diameter by six inch long stainless steel sleeves. Soil from each sample location was recovered using a bullet sampler and a slide hammer. The sample sleeve within the bullet sampler was placed at the sample location and driven into the excavation sidewall until the liner had completely filled. All liners were immediately sealed with Teflon sheet and plastic caps and stored on ice. All samples were transported on ice to McCampbell Analytical Inc. (McCampbell) of Pittsburg, CA, under proper Chain-of-Custody procedures.

3.4 Laboratory Analyses

The following analyses was performed by McCampbell on the samples recovered from the excavation:

EPA 8021B Gasoline Range Organics (GRO), BTEX, MTBE

The results of the soil samples were as follows:

TPH/g results in mg/Kg
BTEX & MTBE results in ug/Kg

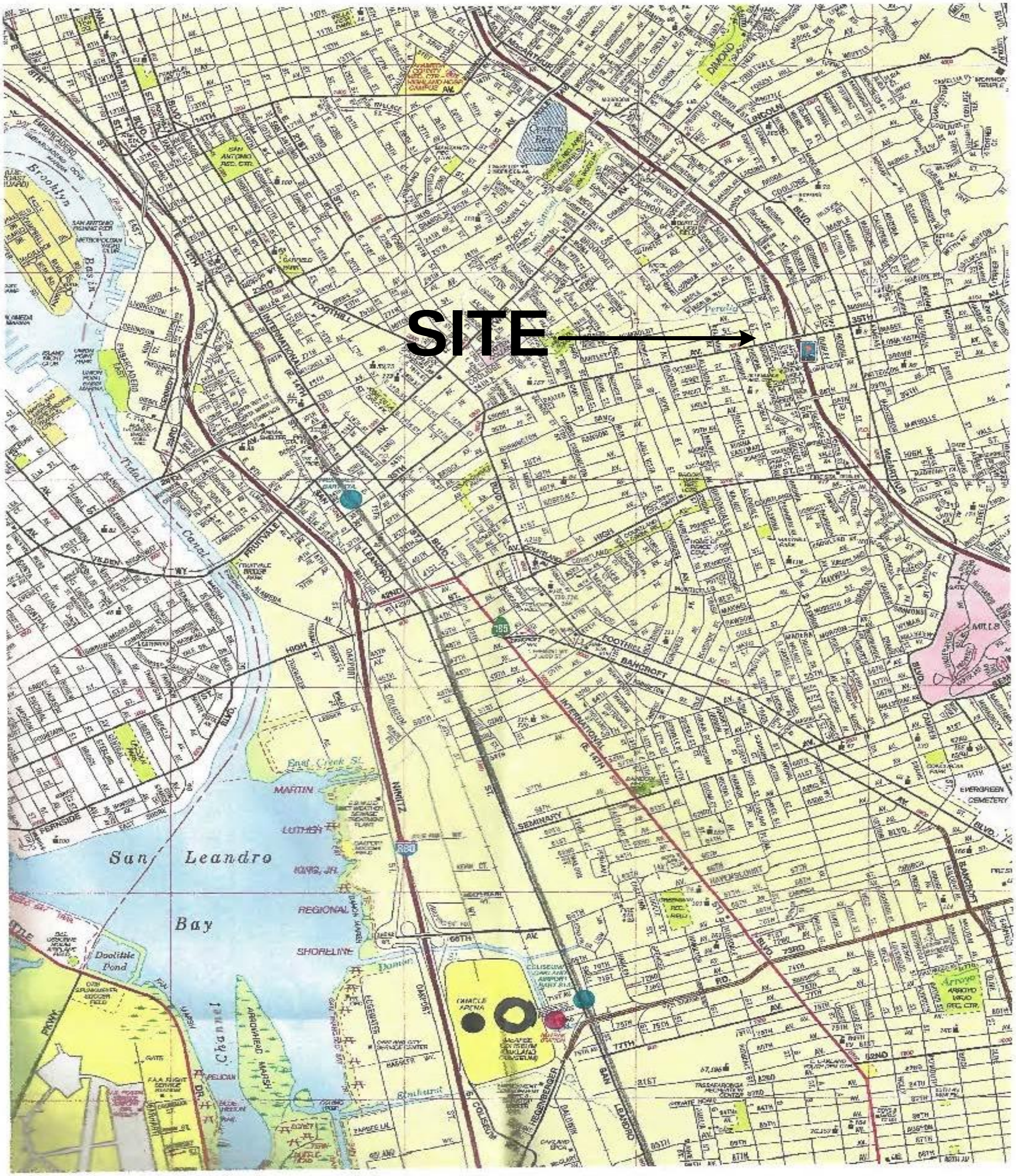
Sample#	TPH/g	Benzene	Toluene	EthylBenzene	Xylenes	MTBE
Disp.Ad5'	46	ND<5	ND<5	ND<5	69	ND<50
Disp.Bd4'	1.1	ND<5	ND<5	ND<5	ND<50	ND<50
Disp.Cd5'	77	ND<10	ND<10	170	220	ND<100
Disp.Dd5'	110	ND<50	210	870	160	ND<50
Disp.Ed5'	21	ND<50	31	12	160	ND<50
Disp.Fd5'	68	ND<50	ND<5	ND<5	35	ND<50
Disp.Gd4'	ND< 1.0	ND<50	ND<5	ND<5	ND<50	ND<50
Disp.Hd4'	68	ND<50	340	ND<50	93	ND<50

Respectfully submitted this 6th day of May, 2015.

Bennett T. Halsted
Project Manager

Samuel H. Halsted PE
C.E. 14095

FIGURES



VICINITY MAP

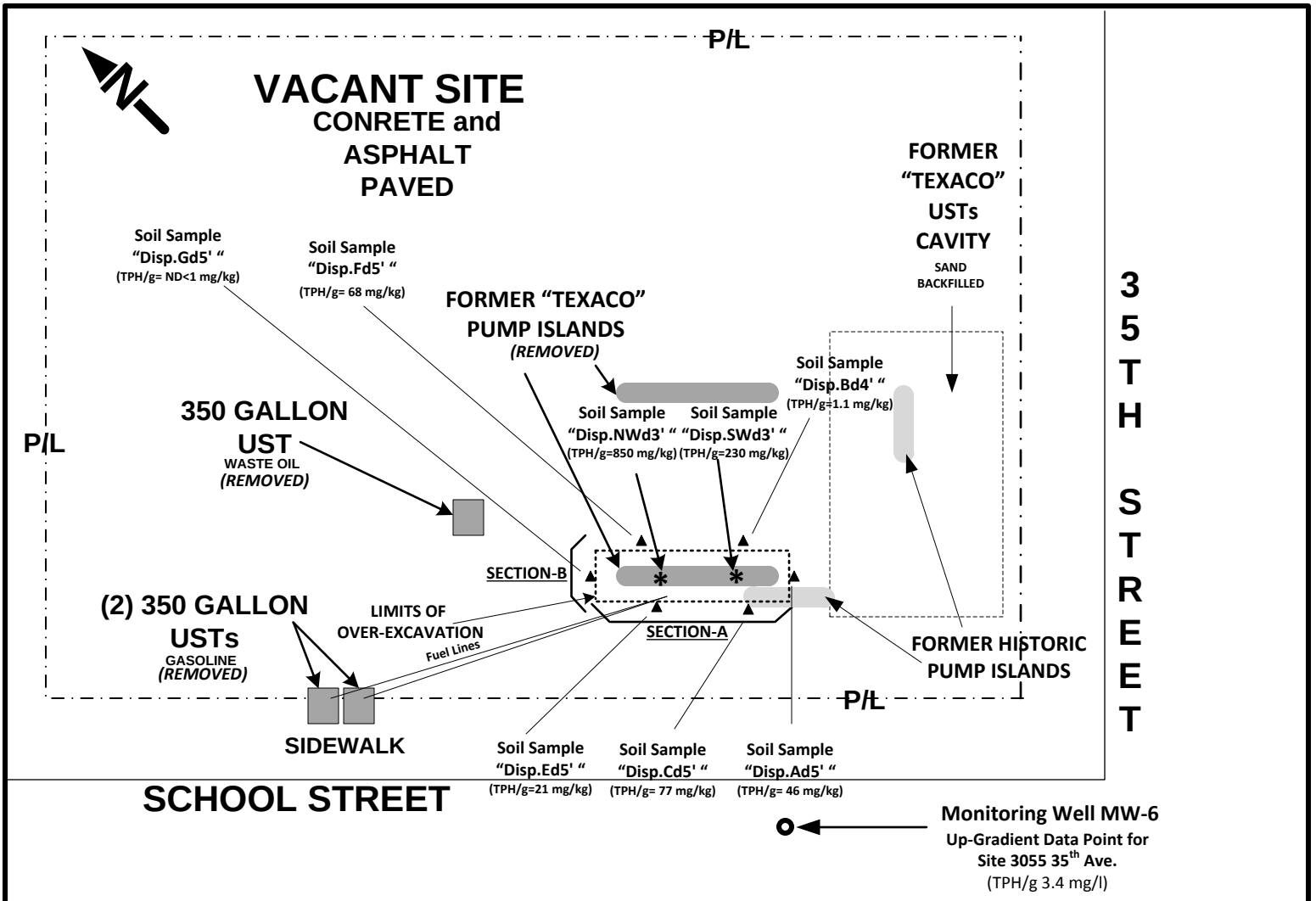
3101 35th Street, Oakland, CA

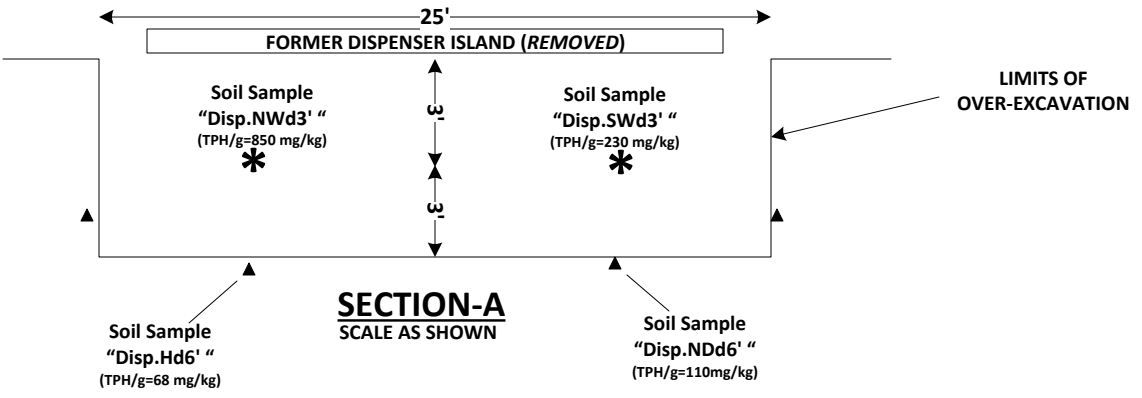
SCALE 1"=2200'

FIGURE 1

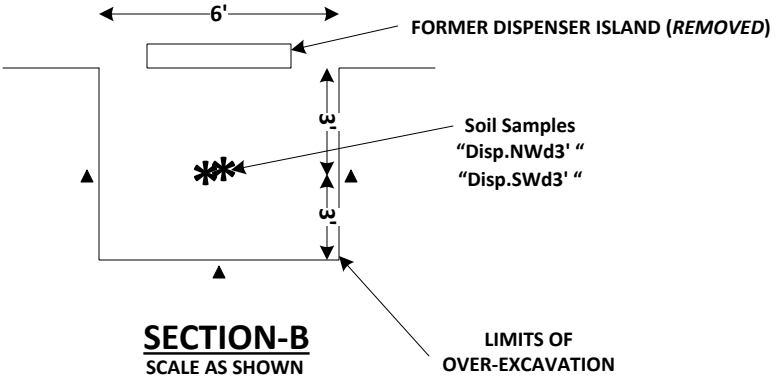
Environmental Restoration Services

PO Box 2006, Menlo Park, CA 94026





SECTION-A
SCALE AS SHOWN



SECTION-B
SCALE AS SHOWN

✱ 1-27-15 DISPENSER SOIL SAMPLE LOCATION

▲ 4-16-15 EXTREMITY SOIL SAMPLE LOCATION

SITE PLAN

3101 35th STREET OAKLAND

4/27/15 SCALE: 1" = 20'

ENVIRONMETAL RESTORATION SERVICES
PO BOX 2006 MENLO PARK CA 94026 (408) 655 9434

SOIL DISPOSAL
MANIFESTS

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2285120

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

GENERATOR (Generator completes Ia-r)

erator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

erator's Name and Location:	e. Generator's Mailing Address:
Green Oak Builders Inc. 3101 35th Ave Oakland, CA 95601 510-928-7888 ne:	Green Oak Builders Inc. 888 Brennan St. #101 San Francisco, CA 94103 510-928-7888 g. Phone:
er of the generating facility differs from the generator, provide: ner's Name:	i. Owner's Phone No.:

te Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
5127152448	1/29/2016	Soil				CY

ERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this e is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

enerator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible] on behalf of Green Oak B.		3-28-15

TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

ransporter's Name and Address:
Maciel Trucking
41556 Boscell Rd
Fremont, CA 94538   408-655-9434
Phone:

Driver Name (Print)	d. Signature	e. Date
[illegible]		3/28/15

DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Newby Island Landfill 1601 Dixon Landing Rd Milpitas, CA 95035 408-262-1401		1124817

ereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent (Print)	f. Signature	g. Date
	[signature]	3/28/15

International Disposal Corp of Ca
Milpitas, CA 95035 408-262-1401

MER
01015
VIRONMENTAL RESTORATION SERVICES
O BOX 2006
ENLO PARK, CA 94026
127152448

SITE	TICKET #	CELL
Y1	1124817	

WEIGHMASTER: Jose L.

DATE/TIME IN	DATE/TIME OUT
03-28-2015 11:46 am	03-28-2015 11:46 am

VEHICLE	CONTAINER
GT101	

REFERENCE: INVOICE

BILL OF LADING: 2285120

SCALE IN   GROSS WEIGHT 71,840   NET TONS 19.21
TARE OUT   TARE WEIGHT 33,420   NET WEIGHT 38,420   INBOUND

	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY				
19.21	TN	SW-CONT SOIL-ALT DAILY COVE Oakland				

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2285121

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

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
Green Oak Builders Inc. 3101 35th Ave Oakland, CA 95601 f. Phone: 510-928-7888	Green Oak Builders Inc. 888 Brennan St. #101 San Francisco, CA 94103 g. Phone: 510-928-7888
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
5127152448	1/29/2016	Soil				CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
D Hollenbeck for Green Oak Builders		3-27-15

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Maciel Trucking
41556 Boscell Rd
b. Phone: Fremont, CA 94538 408-655-9434

c. Driver Name (Print)	d. Signature	e. Date
Davinder Singh		3/28/15

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Newby Island Landfill 1601 Dixon Landing Rd b. Milpitas, CA 95035 408-262-1401		112.4972

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Todd		3-28-15

SITE
International Disposal Corp of Ca
Milpitas, CA 95035 408-262-1401

CUSTOMER
001015
ENVIRONMENTAL RESTORATION SERVICES
PO BOX 2006
MENLO PARK, CA 94026
5127152448

SITE Y1 | TICKET # 124972 | CELL

WEIGHMASTER: Porfirio H.

DATE/TIME IN: 03-28-2015 2:42 pm | DATE/TIME OUT: 03-28-2015 2:42 pm

VEHICLE: GT101 | CONTAINER:

REFERENCE: INVOICE

BILL OF LADING: 2285121

SCALE IN | GROSS WEIGHT 76,240 | NET TONS 21.41
TARE OUT | TARE WEIGHT 33,420 | NET WEIGHT 42,820 | INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY				
21.41	TN	SW-CONT SOIL-ALT DAILY COVE Oakland				

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2285122

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

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
Green Oak Builders Inc. 3101 36th Ave Oakland, CA 94601 f. Phone: 510-928-7888	Green Oak Builders Inc. 888 Brennan St. #101 San Francisco, CA 94103 g. Phone: 510-928-7888

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
5127152448	1/29/2016	Soil				CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Billed on behalf of Green Oak Builders Inc		3-27-15

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Maciel Trucking
41566 Boscell Rd
b. Phone: Fremont, CA 94538 408-855-9434

c. Driver Name (Print)	d. Signature	e. Date
		3/30/15

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Newby Island Landfill 1601 Dixon Landing Rd b. Milpitas, CA 95035 408-262-1401		1125103

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Porfirio		3-30-15

ITE
International Disposal Corp of Ca
Milpitas, CA 95035 408-262-1401

USTOMER
001015
ENVIRONMENTAL RESTORATION SERVICES
PO BOX 2006
MENLO PARK, CA 94026
5127152448

SITE	TICKET #	CELL
Y1	1125103	

WEIGHMASTER: Porfirio H.

DATE/TIME IN	DATE/TIME OUT
03-30-2015 6:42 am	03-30-2015 6:42 am

VEHICLE	CONTAINER
GT101	

REFERENCE: INVOICE

BILL OF LADING: 2285122

SCALE IN	GROSS WEIGHT	76,480	NET TONS	21.53	
TARE OUT	TARE WEIGHT	33,420	NET WEIGHT	43,060	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY				
21.53	TN	SW-CONT SOIL-ALT DAILY COVE Oakland				

LABORATORY

ANALYTICAL RESULTS
CHAIN-OF-CUSTODY

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1504689

Report Created for: Environmental Restoration Services

P.O. Box 2006
Menlo Park, CA 94026

Project Contact: Ben Halsted
Project P.O.:
Project Name: 3101 35th Ave., Oakland

Project Received: 04/16/2015

Analytical Report reviewed & approved for release on 04/22/2015 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Environmental Restoration Services
Project: 3101 35th Ave., Oakland
WorkOrder: 1504689

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9	no recognizable pattern

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD was out of acceptance criteria; LCS validated the prep batch.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Project:	3101 35th Ave., Oakland	**Extraction Method:**	SW5030B
Date Received:	4/16/15 16:10	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	4/16/15-4/20/15	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Ad5'	**1504689-001A**	**Soil**	**04/16/2015 11:20**	**GC19**	**103686**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**46**	10	10	04/20/2015 20:37
MTBE	ND	0.50	10	04/20/2015 20:37
Benzene	ND	0.050	10	04/20/2015 20:37
Toluene	ND	0.050	10	04/20/2015 20:37
Ethylbenzene	ND	0.050	10	04/20/2015 20:37
Xylenes	**0.069**	0.050	10	04/20/2015 20:37

Surrogates	REC (%)	Limits	
2-Fluorotoluene	78	70-130	04/20/2015 20:37

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Bd4'	**1504689-002A**	**Soil**	**04/16/2015 11:25**	**GC19**	**103880**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**1.1**	1.0	1	04/21/2015 15:28
MTBE	ND	0.050	1	04/21/2015 15:28
Benzene	ND	0.0050	1	04/21/2015 15:28
Toluene	ND	0.0050	1	04/21/2015 15:28
Ethylbenzene	ND	0.0050	1	04/21/2015 15:28
Xylenes	ND	0.0050	1	04/21/2015 15:28

Surrogates	REC (%)	Limits	
2-Fluorotoluene	102	70-130	04/21/2015 15:28

Analyst(s): IA Analytical Comments: d7

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Project:	3101 35th Ave., Oakland	**Extraction Method:**	SW5030B
Date Received:	4/16/15 16:10	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	4/16/15-4/20/15	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Cd5'	**1504689-003A**	**Soil**	**04/16/2015 11:29**	**GC19**	**103686**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**77**	20	20	04/20/2015 21:07
MTBE	ND	1.0	20	04/20/2015 21:07
Benzene	ND	0.10	20	04/20/2015 21:07
Toluene	ND	0.10	20	04/20/2015 21:07
Ethylbenzene	**0.17**	0.10	20	04/20/2015 21:07
Xylenes	**0.22**	0.10	20	04/20/2015 21:07

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	04/20/2015 21:07

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Dd6'	**1504689-004A**	**Soil**	**04/16/2015 11:37**	**GC7**	**103686**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**110**	10	10	04/17/2015 14:03
MTBE	ND	0.50	10	04/17/2015 14:03
Benzene	ND	0.050	10	04/17/2015 14:03
Toluene	**0.21**	0.050	10	04/17/2015 14:03
Ethylbenzene	**0.87**	0.050	10	04/17/2015 14:03
Xylenes	**0.16**	0.050	10	04/17/2015 14:03

Surrogates	REC (%)	Limits	
2-Fluorotoluene	117	70-130	04/17/2015 14:03

Analyst(s): IA Analytical Comments: d7,d9

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Project:	3101 35th Ave., Oakland	**Extraction Method:**	SW5030B
Date Received:	4/16/15 16:10	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	4/16/15-4/20/15	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Ed5'	**1504689-005A**	**Soil**	**04/16/2015 11:44**	**GC7**	**103686**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**21**	1.0	1	04/17/2015 20:51
MTBE	ND	0.050	1	04/17/2015 20:51
Benzene	ND	0.0050	1	04/17/2015 20:51
Toluene	**0.031**	0.0050	1	04/17/2015 20:51
Ethylbenzene	**0.012**	0.0050	1	04/17/2015 20:51
Xylenes	**0.16**	0.0050	1	04/17/2015 20:51

Surrogates	REC (%)	Limits	
2-Fluorotoluene	116	70-130	04/17/2015 20:51

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Fd5'	**1504689-006A**	**Soil**	**04/16/2015 11:48**	**GC7**	**103686**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**68**	1.0	1	04/17/2015 21:22
MTBE	ND	0.050	1	04/17/2015 21:22
Benzene	ND	0.0050	1	04/17/2015 21:22
Toluene	ND	0.0050	1	04/17/2015 21:22
Ethylbenzene	ND	0.0050	1	04/17/2015 21:22
Xylenes	**0.035**	0.0050	1	04/17/2015 21:22

Surrogates	REC (%)	Limits	
2-Fluorotoluene	116	70-130	04/17/2015 21:22

Analyst(s): IA Analytical Comments: d7,d9

(Cont.)

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Analytical Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Project:	3101 35th Ave., Oakland	**Extraction Method:**	SW5030B
Date Received:	4/16/15 16:10	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	4/16/15-4/20/15	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Gd5'	**1504689-007A**	**Soil**	**04/16/2015 11:51**	**GC7**	**103747**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	04/17/2015 13:00
MTBE	ND	0.050	1	04/17/2015 13:00
Benzene	ND	0.0050	1	04/17/2015 13:00
Toluene	ND	0.0050	1	04/17/2015 13:00
Ethylbenzene	ND	0.0050	1	04/17/2015 13:00
Xylenes	ND	0.0050	1	04/17/2015 13:00

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	04/17/2015 13:00

Analyst(s): IA

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Disp.Hd6'	**1504689-008A**	**Soil**	**04/16/2015 11:59**	**GC19**	**103747**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**68**	10	10	04/20/2015 21:37
MTBE	ND	0.50	10	04/20/2015 21:37
Benzene	ND	0.050	10	04/20/2015 21:37
Toluene	**0.34**	0.050	10	04/20/2015 21:37
Ethylbenzene	ND	0.050	10	04/20/2015 21:37
Xylenes	**0.093**	0.050	10	04/20/2015 21:37

Surrogates	REC (%)	Limits	
2-Fluorotoluene	97	70-130	04/20/2015 21:37

Analyst(s): IA Analytical Comments: d7,d9

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Quality Control Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Date Prepared:	4/15/15	**BatchID:**	103686
Date Analyzed:	4/15/15	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	3101 35th Ave., Oakland	**Sample ID:**	MB/LCS-103686 1504624-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.656	0.40	0.60	-	109	70-130
MTBE	ND	0.102	0.050	0.10	-	102	70-130
Benzene	ND	0.120	0.0050	0.10	-	120	70-130
Toluene	ND	0.114	0.0050	0.10	-	115	70-130
Ethylbenzene	ND	0.120	0.0050	0.10	-	120	70-130
Xylenes	ND	0.366	0.0050	0.30	-	122	70-130
Surrogate Recovery							
2-Fluorotoluene	0.115	0.117		0.10	115	117	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.991	0.692	0.60	ND	165,F1	115	70-130	35.6,F1	20
MTBE	0.0918	0.0903	0.10	ND	92	90	70-130	1.64	20
Benzene	0.110	0.116	0.10	ND	110	116	70-130	5.30	20
Toluene	0.107	0.112	0.10	ND	107	112	70-130	4.38	20
Ethylbenzene	0.107	0.113	0.10	ND	107	113	70-130	4.94	20
Xylenes	0.322	0.330	0.30	ND	107	110	70-130	2.39	20
Surrogate Recovery									
2-Fluorotoluene	0.108	0.121	0.10		108	121	70-130	11.7	20

(Cont.)

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Quality Control Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Date Prepared:	4/16/15	**BatchID:**	103747
Date Analyzed:	4/17/15	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	3101 35th Ave., Oakland	**Sample ID:**	MB/LCS-103747 1504689-007AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.657	0.40	0.60	-	110	70-130
MTBE	ND	0.103	0.050	0.10	-	95	70-130
Benzene	ND	0.114	0.0050	0.10	-	114	70-130
Toluene	ND	0.109	0.0050	0.10	-	109	70-130
Ethylbenzene	ND	0.113	0.0050	0.10	-	113	70-130
Xylenes	ND	0.348	0.0050	0.30	-	116	70-130
Surrogate Recovery							
2-Fluorotoluene	0.123	0.114		0.10	123	114	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.586	0.596	0.60	ND	98	99	70-130	1.71	20
MTBE	0.0913	0.0947	0.10	ND	91	95	70-130	3.65	20
Benzene	0.0977	0.0949	0.10	ND	94	91	70-130	2.95	20
Toluene	0.0926	0.0912	0.10	ND	93	91	70-130	1.56	20
Ethylbenzene	0.0980	0.0960	0.10	ND	98	96	70-130	2.03	20
Xylenes	0.312	0.310	0.30	ND	104	103	70-130	0.539	20
Surrogate Recovery									
2-Fluorotoluene	0.101	0.0991	0.10		101	99	70-130	2.37	20

(Cont.)

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Quality Control Report

Client:	Environmental Restoration Services	**WorkOrder:**	1504689
Date Prepared:	4/20/15	**BatchID:**	103880
Date Analyzed:	4/21/15	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	3101 35th Ave., Oakland	**Sample ID:**	MB/LCS-103880 1504815-003AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.664	0.40	0.60	-	111	70-130
MTBE	ND	0.104	0.050	0.10	-	104	70-130
Benzene	ND	0.123	0.0050	0.10	-	123	70-130
Toluene	ND	0.121	0.0050	0.10	-	121	70-130
Ethylbenzene	ND	0.124	0.0050	0.10	-	124	70-130
Xylenes	ND	0.382	0.0050	0.30	-	127	70-130
Surrogate Recovery							
2-Fluorotoluene	0.114	0.121		0.10	114	121	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.676	0.604	0.60	ND	113	101	70-130	11.3	20
MTBE	0.0731	0.0785	0.10	ND	73	79	70-130	7.19	20
Benzene	0.0821	0.0868	0.10	ND	82	87	70-130	5.52	20
Toluene	0.0852	0.0880	0.10	ND	85	88	70-130	3.22	20
Ethylbenzene	0.0846	0.0877	0.10	ND	85	88	70-130	3.63	20
Xylenes	0.251	0.262	0.30	ND	84	87	70-130	4.09	20
Surrogate Recovery									
2-Fluorotoluene	0.0755	0.0767	0.10		75	77	70-130	1.54	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1504689 **ClientCode: ERSM**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Ben Halsted
Environmental Restoration Services
P.O. Box 2006
Menlo Park, CA 94026
650-325-3216 FAX: 650-327-2984

Email: ben@envirest.com
cc/3rd Party: joelgreger2@gmail.com;
PO:
ProjectNo: 3101 35th Ave., Oakland

Bill to:
Accounts Payable
Environmental Restoration Services
P.O. Box 2006
Menlo Park, CA 94026

Requested TAT: 5 days

Date Received: **04/16/2015**
Date Printed: **04/23/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1504689-001	Disp.Ad5'	Soil	4/16/2015 11:20	☐	A	A										
1504689-002	Disp.Bd4'	Soil	4/16/2015 11:25	☐	A											
1504689-003	Disp.Cd5'	Soil	4/16/2015 11:29	☐	A											
1504689-004	Disp.Dd6'	Soil	4/16/2015 11:37	☐	A											
1504689-005	Disp.Ed5'	Soil	4/16/2015 11:44	☐	A											
1504689-006	Disp.Fd5'	Soil	4/16/2015 11:48	☐	A											
1504689-007	Disp.Gd5'	Soil	4/16/2015 11:51	☐	A											
1504689-008	Disp.Hd6'	Soil	4/16/2015 11:59	☐	A											

Test Legend:

1	G-MBTEX_S	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ENVIRONMENTAL RESTORATION SERVICES
QC Level: LEVEL 2
Work Order: 1504689
Project: 3101 35th Ave., Oakland
Client Contact: Ben Halsted
Date Received: 4/16/2015
Comments:
Contact's Email: ben@envirest.com

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1504689-001A	Disp.Ad5'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:20	5 days		☐	
1504689-002A	Disp.Bd4'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:25	5 days		☐	
1504689-003A	Disp.Cd5'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:29	5 days		☐	
1504689-004A	Disp.Dd6'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:37	5 days		☐	
1504689-005A	Disp.Ed5'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:44	5 days		☐	
1504689-006A	Disp.Fd5'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:48	5 days		☐	
1504689-007A	Disp.Gd5'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:51	5 days		☐	
1504689-008A	Disp.Hd6'	Soil	SW8021B/8015Bm (G/MBTEX)	1	Stainless Steel tube 2"x6"	☐	4/16/2015 11:59	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

also send results to ben@envirest.com

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1504689

CHAIN OF CUSTODY RECORD (regular)

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☒ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: Joel Gregger **Bill To:** ERS - Ben Halsted

Company: Environmental Restoration Svcs (ERS)

POB 2006, Menlo Park, CA 94026

Tele: (510) 593-5382 **E-Mail:** joelgregger2@gmail.com

Project #: **Project Name:** 3101 35th Ave

Project Location: 3101-35th Ave, Oakland **Purchase Order#**

Sampler Signature: Joel Gregger

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis
Disp. A d5'		4/16/15	1120 AM	1					X						X	X														
Disp. B d4'			1125						X						X	X														
Disp. C d5'			1129						X						X	X														
Disp. D d6'			1137						X						X	X														
Disp E d5'			1144						X						X	X														
Disp F d5'			1148						X						X	X														
Disp. G d5'			1151						X						X	X														
Disp. H d6'			1159						X						X	X														

Analysis Request

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
Joel Gregger	4/16/15	1520 PM	
Relinquished By:	Date:	Time:	Received By:
	4/16/15	1422	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 4°C

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

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Sample Receipt Checklist

Client Name: **Environmental Restoration Services**
Date and Time Received: **4/16/2015 4:10:14 PM**

Project Name: **3101 35th Ave., Oakland**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1504689** Matrix: Soil
Carrier: Daniel (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp: 6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: