ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 30, 2015

Ruben Byerley
Roadway Express
Dba YRC Freight
1077 Gorge Boulevard
Akron, OH 44310
(*Sent via E-mail to:* ruben.byerley@yrcfreight.com)

Martin Ward
PSIA Partners IV LLC
155 Montgomery St., Suite 1600
San Francisco, CA 94104
(*Sent via E-mail to:* MWard@psai-cre.com)

Robert Zimmerman
Roadway Express
PO Box 471
Akron, OH 44309

Subject: Case Closure for Fuel Leak Case No. RO0000039 (GeoTracker Global ID T0600102107), Roadway Express, 1708 Wood Street, Oakland, CA 94607

Dear Mr. Byerley and Mr. Ward:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use. Site Management Requirements are further described in Additional Information of the attached Case Closure Summary.

If you have any questions, please call Keith Nowell at (510) 567-6764. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.:

cc: Christopher D'Sa, Burns and McDonnell Engineering Company, Inc., 400 Oyster Point Blvd., Suite 533, South San Francisco, CA 94080 (*Sent via E-mail to:* cdsa@burnsmcd.com)

Mark Johannes Arniola, City of Oakland Public Works, Environmental Remediation, 250 Frank H. Ogawa Plaza, Suite 5301, Oakland, CA 94612 (Sent via E-mail to: marniola@oaklandnet.com)

Susan Hugo, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502 *(Sent via electronic mail to: susan.hugo@acgov.org)*

Dilan Roe, ACEH, (sent via e-mail to *dilan.roe@acgov.org*)
Keith Nowell, ACEH, (sent via e-mail *keith.nowell@acgov.org*)
Geotracker, Electronic File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

July 30, 2015

Ruben Byerley
Roadway Express
Dba YRC Freight
1077 Gorge Boulevard
Akron, OH 44310
(*Sent via E-mail to:*
ruben.byerley@yrcfreight.com)

Martin Ward
PSIA Partners IV LLC
155 Montgomery St., Suite 1600
San Francisco, CA 94104
(*Sent via E-mail to:*
MWard@psai-cre.com)

Robert Zimmerman
Roadway Express
PO Box 471
Akron, OH 44309

Subject: Case Closure for Fuel Leak Case No. RO0000039 (GeoTracker Global ID T0600102107), Roadway Express, 1708 Wood Street, Oakland, CA 94607

Dear Mr. Byerley and Mr. Ward:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ronald Browder

Ronald Browder
Acting Director
Department of Environmental Health

UST Case Closure Summary Form

Agency Information Date: July 30, 2015

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Responsible Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

Case Information

Site Facility Name: Roadway Express		
Facility Address: 1708 Wood Street, Oakland, CA 94607		
RB LUSTIS Case No: 01-2291	Local Case No.: STID #4072	LOP Case No.: RO0000039
URF Filing Dates: 5/05/1987, 9/16/1996 and 7/31/2011	GeoTracker Global ID: T0600102107	
APNs: 7-563-1 & 7-562-1	Current Land Use: Commercial (Trucking Facility: trailer storage, terminal, loading dock, warehouse, office space)	
Responsible Party(s):	Address:	Phone:
Roadway Express Dba YRC Worldwide Inc.	1077 Gorge Boulevard Akron, OH 44310	913-344-3644
PSAI Partners IV LLC	155 Montgomery Street, Ste. 1600 Oakland, CA 94607-1624	415-362-3743
Roadway Express	PO Box 471 Akron, OH 44309	---

Tank Information

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
---	10,000	Gasoline	Removed	3/31/1987
---	6,000	Motor Oil	Removed	3/31/1987
---	10,000	Diesel	Removed	7/11/1996
---	8,000	Waste Oil	Removed	10/31/2011
---	10,000	Unknown	Removed	10/31/2011

Conceptual Site Model (Attachment 1, 4 pages)

LTCL Checklist (Attachment 2, 2 pages)

LTCP Groundwater Specific Criteria (Attachment 3, 2 pages)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

UST Case Closure Summary Form

LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 5, 1 page)

Site Map(s) (Attachment 6, 25 pages)

Analytical Data (Attachment 7, 72 pages)

Additional Information:

Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). In addition to residual total petroleum hydrocarbons (TPH) in site soil, elevated concentrations of polycyclic aromatic hydrocarbons (PAHs) and metals, including cadmium, copper, lead, and zinc have been documented. The PAH benzo(a)pyrene toxicity equivalent (BaPe) of 1.32 mg/kg for sample SB-15 (2.0-2.5') exceeds the commercial/ industrial concentration for direct contact of 0.68 mg/kg (LTCP Table 1) and the concentration of lead (14,000 mg/kg, sample SB-21), exceeds the commercial/ industrial San Francisco Bay Region Regional Water Quality Control Board (SF-RWQCB) Environmental Screening Levels (ESLs) Direct Exposure (Table K-2) concentration of 320 mg/kg.

Additionally, groundwater concentrations of lead (2,050 ug/L), nickel (1,010 ug/L), and zinc (3,070 ug/L) exceed the commercial/ industrial SF-RWQCB ESLs for Groundwater Screening Levels where Groundwater is Not a Current or Potential Drinking Water Resource (Table F-1b) of 2.5 ug/L, 8.2 ug/L, and 81 ug/L, respectively.

Under the current land use as an active trucking facility, the site is paved resulting in a low potential for direct contact exposure under the current land use. Therefore, case closure is granted for the current commercial land use as an active trucking facility.

If a change in land use to any residential, commercial other than as a commercial trucking facility, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the site relative to the proposed redevelopment.

Excavation or construction activities in areas of residual contamination require planning and execution of the existing Site Management Plan and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

RWQCB Notification Notification Date: 3/04/2015

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist

Local Agency Representative

Prepared by: Keith Nowell	Title: Hazardous Materials Specialist
Signature: Keith Nowell	Date: 7/30/2015
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: Dilan Roe	Date: 7/30/2015

UST Case Closure Summary Form

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. The Conceptual Site Model may not contain all available data. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

ATTACHMENT 1

ROADWAY EXPRESS (T0600102107) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

1708 WOOD STREET
OAKLAND , CA 94607
ALAMEDA COUNTY

ACTIVITIES REPORT
PUBLIC WEBPAGE

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000039*
CASEWORKER: *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE*
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2291*
CASEWORKER: *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY ***KEITH NOWELL*** ON 7/30/2015 9:59:23 AM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CSM REPORT - VIEW PUBLIC NOTICING VERSION OF THIS REPORT

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	FIVE YEAR REVIEW INFORMATION: REVIEW NUM	REVIEWER	FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
ROADWAY EXPRESS (Global ID: T0600102107) 1708 Wood Street OAKLAND, CA 94607	Open - Eligible for Closure	3/4/2015	7/23/1996	19	ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000039* ***CASEWORKER:*** *KEITH NOWELL* - ***SUPERVISOR:*** *DILAN ROE* SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2291* ***CASEWORKER:*** *Cherie McCaulou* - ***SUPERVISOR:*** *Cheryl L. Prowell*

STAFF NOTES (INTERNAL)
<NO STAFF NOTES ENTERED>

SITE HISTORY

Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the Alameda County Environmental Health website at https://ehgis.acgov.org/dehpublic/dehpublic.jsp.

The facility is developed and currently operating as an active trucking facility. Between the years 1987 to 1996, three underground USTs were removed and two USTs were abandoned-in-place at the Site. In April 1996, the remaining 10,000 gallon diesel UST and all associated piping was removed from the central-eastern area of the Site. In September 2000, three groundwater monitoring wells (MW-3, MW-4, and MW-5) were installed around the location of the removed USTs in the central-eastern area of the Site. In December 2007, Burns & McDonnell initiated subsurface characterization at the Site, which consisted of nine direct push borings, initiated due to a pending property transaction. Improperly constructed wells were decommissioned and re-installed in 2008.

In October, 2011 the two abandoned-in-place USTs and an oil-water separator were removed . Post excavation confirmation soil samples documented COCs remain in the subsurface, including 104 mg/kg TPHg (SW-4 @ 3.6'), 5,930 mg/kg TPH (SW-4 @ 3.6'), and 1,990 mg/kg zinc OSW NEA-3 @ 3'). Grab groundwater from the tank pits revealed up to 598 ug/L TPHg, benzene to 5.2 ug/L, 2,250 ug/L TPHd, and 368 ug/L TPHmo. Cd, Cr, Pb, NI and Zn concentrations were reported at up to 14.7 ug/L, 866 ug/L, 2,050 ug/L, 1,010 ug/L, and 3,070 ug/L, respectively. Cr, Pb, Ni, & Zn GW concentrations exceed ESLs. Grab groundwater from the oil-water seperator revealed 2,990 ug/L TPHd, and 1,970 ug/L TPHmo. MTBE was reported to 0.87 ug/L.

A Phase II investigation conducted by ACC revealed concentrations of TPHd up to 370 mg/kg (SB-22 @ 1.0-1.5') and lead (concentrations up to 14,000 mg/kg) (SB-21 @ 1.0-1.5') remains in shallow soil beneath the site. Additionally, naphthalene concentrations were reported up 0.029 mg/kg and the PAH BaPe concentrations up to 1.32 mg/kg were reported. Grab groundwater from the Ph II revealed 240 ug/L TPHg, 19,000 ug/L TPHd, and 1,970 ug/L TPHmo. MTBE was reported to 2.8 ug/L. BTEX compounds were reported at concentrations below their respective reporting limits.

RESPONSIBLE PARTIES

NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
Martin Ward	PSAI PARTNERS IV LLC	155 MONTGOMERY ST., SUITE 1600	SAN FRANCISCO	mward@psai-cre.com
ROBERT ZIMMERMAN	ROADWAY EXPRESS	PO BOX 471	AKRON	
RUBEN D. BYERLEY	Roadway Express	1077 GORGE BOULEVARD	AKRON	ruben.byerley@yrcfreight.com

CLEANUP ACTION INFO

ACTION TYPE	BEGIN DATE	END DATE	PHASE	CONTAMINANT MASS REMOVED	DESCRIPTION
EXCAVATION	12/1/2011	12/1/2011	Soil		111.72 tons of soil and IDW removed and disposed off site associated with the removal of the USTs located in the northwestern area of the property and the

OTHER (USE DESCRIPTION FIELD)	7/11/1996	7/11/1996	Liquid Waste, Water	oil- water separator located in the central site area. Emptied and rinsed Diesel UST resulting in approximately 380 gallons removed. Pit water with sheen pumped from excavation yielding 2,176 gallons.
EXCAVATION	7/11/1996	10/30/1996	Soil	Tank pit over excavtion removed 150 cu yds. - 112.95 tons disposed at Altamont LF.

RISK INFORMATION VIEW LTCP CHECKLIST VIEW PATH TO CLOSURE PLAN VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Chromium, Lead, Nickel, Zinc, Diesel, Waste Oil / Motor / Hydraulic / Lubricating		GW - Municipal and Domestic Supply		7/23/1996	Other Means	0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	YES	EBMUD	7/13/2015	7/7/2015	7/7/2015		8/26/2014

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN
007 056300100

GW BASIN NAME
Santa Clara Valley - East Bay Plain (2-9.04)

WATERSHED NAME
South Bay - East Bay Cities (204.20)

COUNTY
Alameda

PUBLIC WATER SYSTEM(S)
- **EAST BAY MUD** - 375 ELEVENTH STREET, OAKLAND, CA 94607

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
BM-10	8/4/2008		ND	ND	ND	OTHER	ND	
BM-11	8/4/2008		ND	ND	ND	OTHER	ND	
BM-12	8/5/2008		ND	ND	ND	OTHER	ND	
BM-13	8/5/2008		ND	ND	ND	OTHER	ND	
BM-14	8/5/2008		ND	ND	ND	OTHER	ND	
BM-15	8/5/2008		ND	ND	ND	OTHER	ND	
BM-16	8/5/2008		ND	ND	ND	OTHER	ND	
BM-17	8/6/2008		ND	ND	ND	OTHER	ND	
BM-18	8/6/2008		ND	ND	ND	OTHER	ND	
BM-19	8/6/2008		ND	ND	ND	OTHER	ND	
BM-7	12/10/2007		ND	ND	ND	ND	2.3 UG/L	
BM-8	12/10/2007		ND	ND	ND	ND	ND	
BM-9	12/10/2007		ND	ND	ND	ND	ND	
CO WATER	11/9/2011	OTHER	ND	ND	ND	ND	ND	
CO WATER-2	11/17/2011	OTHER	ND	ND	ND	ND	ND	
E TANK GRAB	10/31/2011	OTHER	ND	ND	0.74 UG/L	ND	ND	
MW-2	8/4/2008		ND	ND	ND	OTHER	ND	
MW-3	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
MW-4	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
MW-5	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
MW-6	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
MW-7	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
MW-8	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
OWS-GW	10/27/2011	OTHER	ND	ND	ND	ND	0.87 UG/L	
QCTB	2/14/2011	OTHER	ND	ND	ND	ND	ND	ND
SB-1	2/15/2011	OTHER	ND	ND	ND	ND	ND	ND
SB-10	2/16/2011	OTHER	ND	ND	ND	ND	ND	ND
SB-11	2/16/2011	OTHER	ND	ND	ND	ND	0.56 UG/L	21 UG/L
SB-16	2/17/2011	OTHER	ND	ND	ND	ND	2.8 UG/L	
SB-17	2/17/2011	OTHER	ND	ND	ND	ND	ND	
SB-18	2/17/2011	OTHER	ND	ND	ND	ND	ND	
SB-2	2/15/2011	OTHER	ND	ND	ND	ND	ND	ND
SB-4	2/15/2011		ND	ND	ND	ND	ND	
SB-6	2/16/2011		ND	ND	ND	ND	ND	
SB-7	2/17/2011	OTHER	ND	ND	ND	ND	ND	
TRIP BLANK	11/12/2009	OTHER	ND	ND	ND	ND	ND	
W TANK GRAB	10/31/2011	OTHER	5.2 UG/L	111 UG/L	10.7 UG/L	61.6 UG/L	ND	

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
BM-10	8/4/2008		ND	ND	ND		ND	
BM-11	8/4/2008		ND	ND	ND		ND	
BM-12	8/5/2008		ND	ND	ND		ND	
BM-13	8/5/2008		ND	ND	ND		ND	

FIELD PT NAME	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	TBA
BM-14	8/5/2008		ND	ND	ND		ND	
BM-15	8/5/2008		ND	ND	ND		ND	
BM-16	8/5/2008		ND	ND	ND		ND	
BM-17	8/6/2008		ND	ND	ND		ND	
BM-18	8/6/2008		ND	ND	ND		ND	
BM-19	8/6/2008		ND	ND	ND		ND	
BM-7	12/10/2007		ND	ND	ND	ND	ND	ND
BM-8	12/10/2007		ND	ND	ND	ND	ND	ND
BM-9	12/10/2007		ND	ND	ND	ND	ND	ND
COMP-1	5/19/2015		ND	ND	ND	ND	ND	ND
DUP-1	10/27/2011		ND	ND	ND	ND	ND	
EAST STOCK	10/31/2011		ND	ND	ND	ND	ND	
EAST-E16	10/31/2011		ND	ND	ND	ND	ND	
EAST-W15.6	10/31/2011		ND	ND	ND	ND	ND	
MW-6	2/18/2009		ND	ND	ND	ND	ND	
MW-7	2/18/2009		ND	ND	ND	ND	ND	
MW-8	2/18/2009		ND	ND	ND	ND	ND	
OWS-11-3A	11/3/2011		ND	ND	ND	ND	ND	
OWS-1N3	10/27/2011		ND	ND	ND	ND	ND	
OWS-2NE3	10/27/2011		ND	ND	ND	ND	ND	
OWS-3E3	10/27/2011		ND	ND	ND	ND	ND	
OWS-4S3.6	10/27/2011		ND	ND	ND	ND	ND	
OWS-5W3	10/27/2011		ND	ND	ND	ND	ND	
OWS-6F4	10/27/2011		ND	ND	ND	ND	ND	
OWS-NEA3	11/9/2011		ND	ND	ND	ND	ND	
OWSL-1-4	11/9/2011		ND	ND	ND	ND	ND	
OWSL-2-3	11/9/2011		ND	ND	ND	ND	ND	
OWSL-3-4	11/9/2011		ND	ND	ND	ND	ND	
OWSL-4-2	11/9/2011		ND	ND	ND	ND	ND	
SB-1	2/15/2011		ND	ND	ND	ND	ND	ND
SB-11	2/16/2011		ND	ND	ND	ND	ND	ND
SB-12	2/16/2011		ND	ND	ND	ND	ND	ND
SB-13	2/16/2011		ND	ND	ND	ND	ND	ND
SB-14	2/16/2011		ND	ND	ND	ND	ND	ND
SB-15	2/17/2011		ND	ND	ND	ND	ND	
SB-16	2/17/2011		ND	ND	ND	ND	ND	
SB-2	2/15/2011		ND	ND	ND	ND	ND	ND
SB-20	3/18/2011		ND	ND	ND	ND	ND	
SB-3	2/15/2011		ND	ND	ND	ND	ND	ND
SB-4	2/15/2011		ND	ND	ND	ND	ND	
SB-5	2/15/2011		ND	ND	ND	ND	ND	
SB-6	2/15/2011		ND	ND	ND	ND	ND	
SB-7	2/16/2011		ND	ND	ND	ND	ND	
SB-8	2/17/2011		ND	ND	ND	ND	ND	
STOCK SW	11/17/2011		ND	ND	ND	ND	ND	
SW1-E3	11/17/2011		ND	ND	ND	ND	ND	
SW2-N5	11/17/2011		ND	ND	ND	ND	ND	
SW3-W4B	11/17/2011		ND	ND	ND	ND	ND	
SW4-W3-6	11/17/2011		ND	ND	ND	ND	ND	
WEST STOCK	10/31/2011		ND	ND	ND	ND	ND	
WEST-E16	10/31/2011		ND	ND	ND	ND	ND	
WEST-W16	10/31/2011		ND	ND	ND	ND	ND	

MOST RECENT GEO_WELL DATA - HIDE

VIEW ESI SUBMITTALS

FIELD PT NAME	DATE	DEPTH TO WATER (FT)	SHEEN	DEPTH TO FREE PRODUCT (FT)
MW-2	5/13/2009		N	
MW-3	11/12/2009	3.98	N	
MW-4	11/12/2009	3.31	N	
MW-5	11/12/2009	3.79	N	
MW-6	11/12/2009	1.74	N	
MW-7	11/12/2009	1.65	N	
MW-8	11/12/2009	1.93	N	

ATTACHMENT 2

LTCP Checklist Go

GEOTRACKER HOME | MANAGE PROJECTS | REPORTS | SEARCH | LOGOUT

ROADWAY EXPRESS (T0600102107) - MAP THIS SITE

OPEN - ELIGIBLE FOR CLOSURE

1708 WOOD STREET
OAKLAND , CA 94607
ALAMEDA COUNTY

VIEW PRINTABLE CASE SUMMARY FOR THIS SITE

ACTIVITIES REPORT

PUBLIC WEBPAGE

CLEANUP OVERSIGHT AGENCIES
ALAMEDA COUNTY LOP *(LEAD)* - *CASE #: RO0000039*
CASEWORKER: KEITH NOWELL - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2) - *CASE #: 01-2291*
CASEWORKER: Cherie McCaulou - SUPERVISOR: Cheryl L. Prowell

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY *KEITH NOWELL* ON 7/30/2015 9:59:23 AM - HISTORY

THIS SITE HAS SUBMITTALS. CLICK HERE TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 7/30/2015

CHECKLIST INITIATED ON 1/23/2013

CLOSURE POLICY HISTORY

General Criteria - *The site satisfies the policy general criteria* - CLEAR SECTION ANSWERS — NO

a. Is the unauthorized release located within the service area of a public water system?
Name of Water System : EBMUD — ◉ YES ○ NO

b. The unauthorized release consists only of petroleum (info).
Contaminants : ☐ Chlorobenzene ☐ PCE ☐ TCE ☐ Chloroform ☐ Vinyl Chloride ☐ Bromoform ☑ Other: cadmium, copper, lead, and zinc, PAHs — ○ YES ◉ NO

c. The unauthorized ("primary") release from the UST system has been stopped. — ◉ YES ○ NO

d. Free product has been removed to the maximum extent practicable (info). — ○ FP Not Encountered ◉ YES ○ NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info). — ◉ YES ○ NO

f. Secondary source has been removed to the extent practicable (info). — ◉ YES ○ NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. — ○ Not Required ◉ YES ○ NO

h. Does a nuisance exist, as defined by Water Code section 13050. — ○ YES ◉ NO

1. Media-Specific Criteria: Groundwater - *The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.* - CLEAR SECTION ANSWERS — YES

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - Info) — ○ YES ◉ NO

Does the site meet any of the Groundwater specific criteria scenarios? — ◉ YES ○ NO

1.5 - The regulatory agency determines, based on an analysis of site specific conditions, that the site under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame. — ◉ YES ○ NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - *The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c* - CLEAR SECTION ANSWERS — NO

EXEMPTION - Active Commercial Petroleum Fueling Facility — ○ YES ◉ NO

Does the site meet any of the Petroleum Vapor Intrusion to Indoor Air specific criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Soil Gas Samples :
○ No Soil Gas Samples ○ Taken Incorrectly

Exposure Type :
○ Residential ◉ Commercial

Free Product :
○ In Groundwater ○ In Soil ○ Unknown

TPH in the Bioattenuation Zone :
◉ ≥ 100 mg/kg ○ Unknown ○ Soil samples not taken at two depths within 5 ft. zone (only for Scenario 4 with BioZone)

Bioattenuation Zone Thickness :
◉ < 5 Feet (No BioZone) ○ ≥ 5 Feet and < 10 Feet ○ ≥ 10 Feet and < 30 Feet ○ ≥ 30 Feet ○ 30ft BioZone Compromised TPH > 100mg/kg ○ Unknown

O2 Data in Bioattenuation Zone :
◉ No O_2 Data ○ O_2 < 4% ○ O_2 ≥ 4%

Benzene in Groundwater :
○ ≥ 100 µg/l and < 1,000 µg/l ○ ≥ 1,000 µg/l ○ Unknown

Soil Gas Benzene :
○ ≥ 85 µg/m³ and < 280 µg/m³ ○ ≥ 280 µg/m³ and < 85,000 µg/m³ ○ ≥ 85,000 µg/m³ and < 280,000 µg/m³ ○ ≥ 280,000 µg/m³ ◉ Unknown

Soil Gas EthylBenzene :
○ ≥ 1,100 µg/m³ and < 3,600 µg/m³ ○ ≥ 3,600 µg/m³ and < 1,100,000 µg/m³ ○ ≥ 1,100,000 µg/m³ and < 3,600,000 µg/m³ ○ ≥ 3,600,000 µg/m³ ◉ Unknown

Soil Gas Naphthalene :
○ ≥ 93 µg/m³ and < 310 µg/m³ ○ ≥ 310 µg/m³ and < 93,000 µg/m³ ○ ≥ 93,000 µg/m³ and < 310,000 µg/m³ ○ ≥ 310,000 µg/m³ ◉ Unknown

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - *The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.* - CLEAR SECTION ANSWERS — NO

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination — ○ YES ◉ NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios? — ○ YES ◉ NO

ADDITIONAL QUESTIONS - Please indicate only those conditions that do not meet the policy criteria:

Exposure Type :
○ Residential ◉ Commercial ○ Utility Worker

Petroleum Constituents in Soil :
◉ ≤ 5 Feet bgs ○ >5 Feet bgs and ≤10 Feet bgs ○ Unknown

Soil Concentrations of Benzene :
○ > 1.9 mg/kg and ≤ 2.8 mg/kg ○ > 2.8 mg/kg and ≤ 8.2 mg/kg ○ > 8.2 mg/kg and ≤ 12 mg/kg ○ > 12 mg/kg and ≤ 14 mg/kg ○ > 14 mg/kg ○ Unknown

Soil Concentrations of EthylBenzene :
○ > 21 mg/kg and ≤ 32 mg/kg ○ > 32 mg/kg and ≤ 89 mg/kg ○ > 89 mg/kg and ≤ 134 mg/kg ○ > 134 mg/kg and ≤ 314 mg/kg ○ > 314 mg/kg ○ Unknown

Soil Concentrations of Naphthalene :
○ > 9.7 mg/kg and ≤ 45 mg/kg ○ > 45 mg/kg and ≤ 219 mg/kg ○ > 219 mg/kg ○ Unknown

Soil Concentrations of PAH :
○ > 0.063 mg/kg and ≤ 0.68 mg/kg ◉ > 0.68 mg/kg and ≤ 4.5 mg/kg ○ > 4.5 mg/kg ○ Unknown

Area of Impacted Soil :
○ Area of Impacted Soil > 82 by 82 Feet ○ Unknown

Additional Information

Should this case be closed in spite of NOT meeting policy criteria?

Explain:

Site does not meet the Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air as the bioattenuation zone is less than five feet thick and residual TPH in soil exceeds 100 mg/kg (5,930 mg/kg at SW-4 at 3.6 feet). However, Vapor Intrusion to Indoor Air is a low health risk due to the lack of volatiles in soil and GW.

Site does not meet the Media Specific Criteria:Direct Contact and Outdoor Air Exposure as BaPe of 1.32 mg/kg (SB-15 @ 2.0-2.5')is greater than Commercial/Industrial value of 0.68 mg/kg (0-5') listed in Table 1. Additionally, concentrations of lead and zinc in site soil exceed the commercial/industrial San Francisco Bay Region Regional Water Quality Control Board (SF-RWQCB) Environmental Screening Levels (ESLs) Direct Exposure (Table K-2) concentrations. Under the current land use as an active trucking facility, the site is paved resulting in a low potential for direct contact exposure under the current land use.

An SMP is in place to address residual soil contaminant direct contact exposure at the site.

◉ YES ○ NO

Has this LTCP Checklist been updated for FY 14/15? — ◉ YES ○ NO

SPELL CHECK

Save Form as Partially Completed | Save Form as Complete

LOGGED IN AS KNOWELL

CONTACT GEOTRACKER HELP

ATTACHMENT 3

ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: Scenario 5

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria
Plume Length	<100 feet	<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Decreasing	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	600 feet cross gradient >1,000 feet down gradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	>1,000 feet downgradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Yes, see Site Management Requirements in Additional Information.	Not applicable	Not applicable	Yes	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	5.2	<1	No criteria	<3,000	No criteria	<1,000
MTBE	0.87	<1	No criteria	<1,000	No criteria	<1,000
Cadmium	14.7	14.7	No criteria	No criteria	No criteria	No criteria
Chromium	866	866	No criteria	No criteria	No criteria	No criteria
Lead	2,050	2,050	No criteria	No criteria	No criteria	No criteria
Nickel	1,010	1,010	No criteria	No criteria	No criteria	No criteria
Zinc	3,070	3,070	No criteria	No criteria	No criteria	No criteria

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?	Yes

Attachment 3 Comments: Water Supply Wells in Vicinity: One supply well is identified within 2,000 feet of the site. The well, a 200-foot deep industrial supply well, is situated approximately 600 feet in the cross-gradient direction from the site. Based on the extent and size of the plume, the industrial supply well is not expected to be a receptor for the site. No other water supply wells were identified within 2,000 feet of the site.

No groundwater monitoring wells were installed as part of the investigation for the USTs formerly located in the northwestern portion of the property, designated as Area 1. However, the plume length has been estimated using maximum plume lengths identified in the SWRCBs LTCP *Technical Justification for Groundwater Plume Length, Indicator Constituents, Concentrations, Buffer Distances (Separation Distances) to Receptors* (LTCP Guidance; SWRCB 2012) (TJP). The maximum plume length, as identified in the TJP, is 855 feet for TPHd, using TPHg as a substitute for TPHd. Other than the cross gradient well discussed above, no supply wells or surface water bodies are located within 1,000 feet of the estimated leading edge of the contaminant plume.

ATTACHMENT 4

ATTACHMENT 4
LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: This case should be closed in spite of not meeting the vapor specific media criteria.

Active Fueling Station	Not applicable

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered LNAPL	No LNAPL	LNAPL in groundwater	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	< 5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	>100 mg/kg (5,930 mg/kg SW-4 @ 3.6')	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg
Maximum Current Benzene Concentration in Groundwater	< 1µg/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?	No
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health?	Yes

Attachment 4 Comments: This case does not meet the Petroleum Vapor Intrusion to Indoor Air Media Specific Criteria as the vadose zone is less than 5 feet thick and the concentration of total TPH in soil in the bioattenuation zone exceeds 100 mg/kg. However, the low- to – no residual concentrations volatile organic compounds, (VOCs), including benzene, ethylbenzene, and naphthalene, in site soil indicates there is a low risk of significant concentrations for vapor intrusion to indoor air.

ATTACHMENT 5

ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

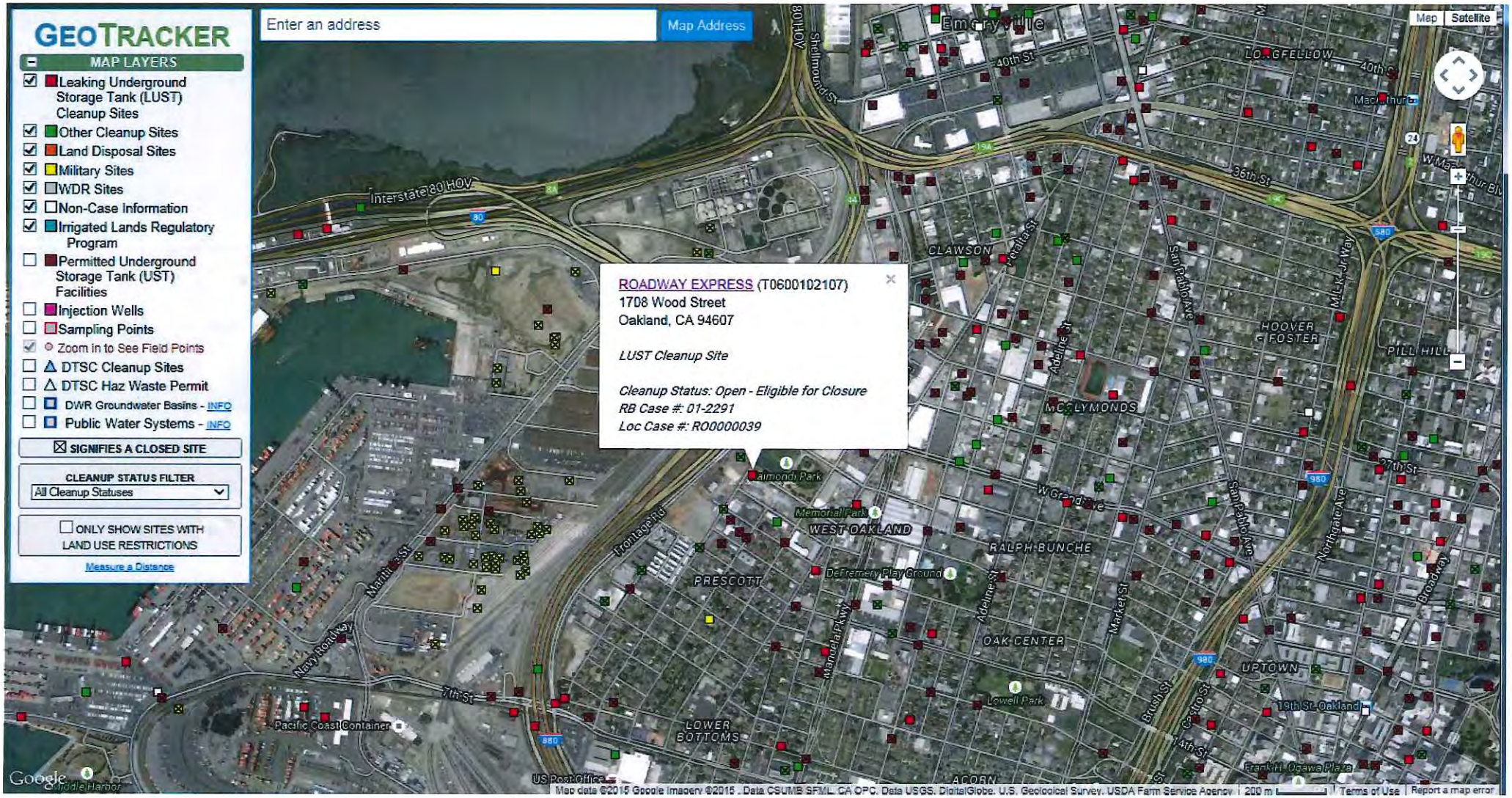
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: This case should be closed in spite of not meeting the direct contact and outdoor air specific media criteria.

Are maximum concentrations less than those in Table 1 below?		No				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	<0.51	<0.051	<0.51	<0.051	<0.51
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	<0.51	<0.051	<0.51	<0.051	<0.51
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	0.29	<1.0	0.29	<1.0	0.29
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	1.32	<1.0	1.32	<1.0	1.32
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5

If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?	No
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?	Yes

Attachment 5 Comments: This case does not meet the Media Specific Criteria: Direct Contact and Outdoor Air Exposure as the BaPe of 1.32 mg/kg (SB-15 @ 2.0-2.5') exceeds the commercial/ industrial concentration for direct contact of 0.68 mg/kg (LTCP Table 1) and the concentration of lead (14,000 mg/kg, sample SB-21), exceeds the commercial/ industrial San Francisco Bay Region Regional Water Quality Control Board (SF-RWQCB) Environmental Screening Levels (ESLs) Direct Exposure (Table K-2) concentration of 320 mg/kg.

ATTACHMENT 6


GEOTRACKER
MAP LAYERS
Leaking Underground Storage Tank (LUST) Cleanup Sites
Other Cleanup Sites
Land Disposal Sites
Military Sites
WDR Sites
Non-Case Information
Irrigated Lands Regulatory Program
Permitted Underground Storage Tank (UST) Facilities
Injection Wells
Sampling Points
Zoom in to See Field Points
DTSC Cleanup Sites
DTSC Haz Waste Permit
DWR Groundwater Basins - INFO
Public Water Systems - INFO
SIGNIFIES A CLOSED SITE
CLEANUP STATUS FILTER
All Cleanup Statuses
ONLY SHOW SITES WITH LAND USE RESTRICTIONS
Measure a Distance
Enter an address
Map Address
ROADWAY EXPRESS (T0600102107)
1708 Wood Street
Oakland, CA 94607
LUST Cleanup Site
Cleanup Status: Open - Eligible for Closure
RB Case #: 01-2291
Loc Case #: RO0000039
Emeryville
Interstate 80 HOV
Shellmound St
40th St
LONGFELLOW
36th St
CLAWSON
Peralta St
San Pablo Ave
Adeline St
M L K Jr Way
HOOVER FOSTER
PILL HILL
MCCLYMONDS
W Grand Ave
Almondi Park
Memorial Park
WEST OAKLAND
RALPH BUNCHE
Frontage Rd
Martin Luther King Jr Way
PRESCOTT
Defremery Play Ground
Market St
Northgate Ave
Broadway
OAK CENTER
Mandela Pkwy
Navy Rd Way
7th St
Pacific Coast Container
LOWER BOTTOMS
Lowell Park
Brush St
Castro St
UPTOWN
19th St Oakland
ACORN
Frankl Ogawa Plaza
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Satellite
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Map data ©2015 Google Imagery ©2015 , Data CSUMB SFML CA OPC, Data USGS, DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency
200 m
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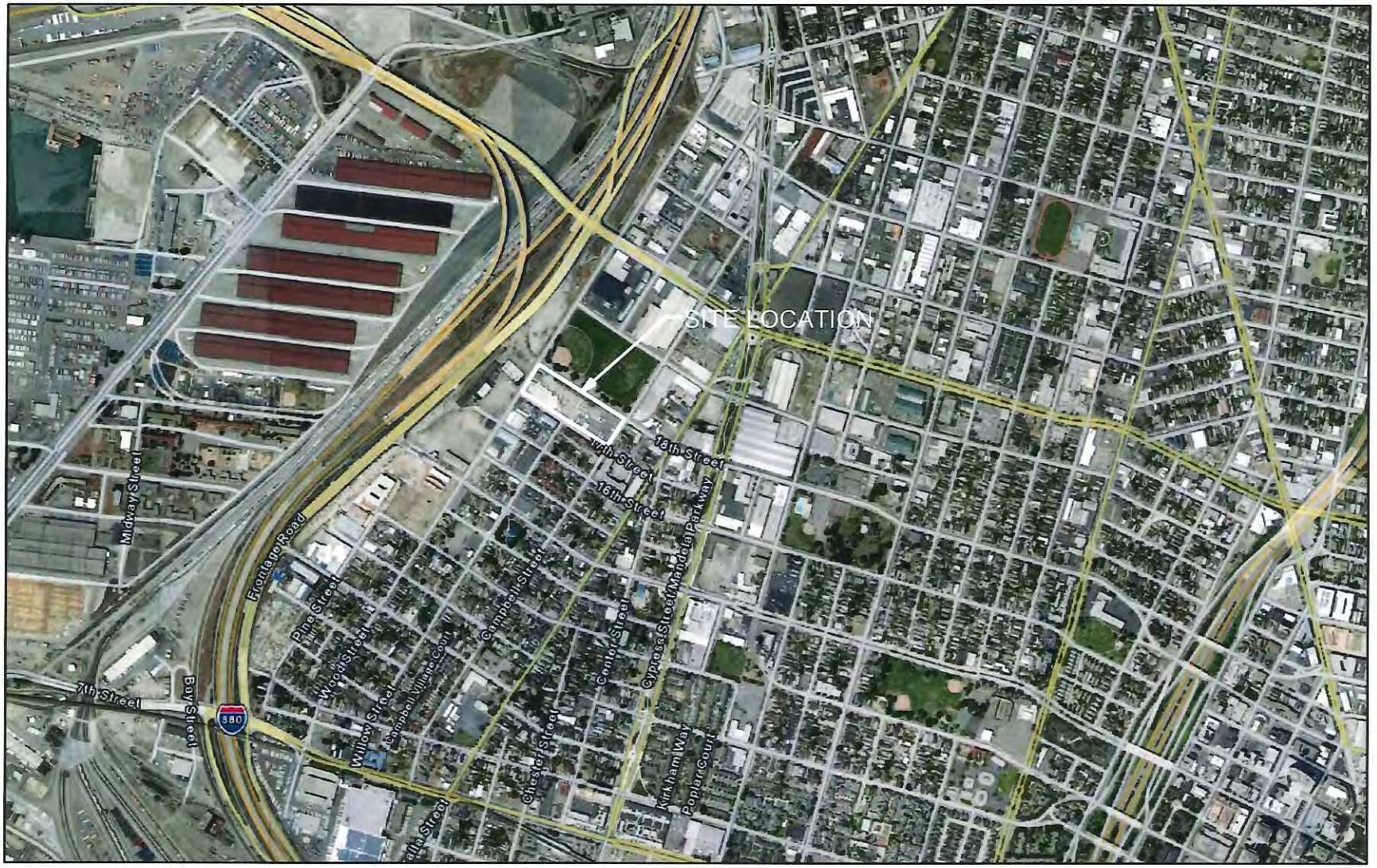


Figure 1

SITE LOCATION MAP
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

\Wccadd\data\SFODATA\Projects\YRC Enterprise Services Inc\YRCW Oakland, CA\ustn\site\Jan2012\YRC Oakland Fig 1_Jan2012.dgn Jan 23, 2012 OSHELDON

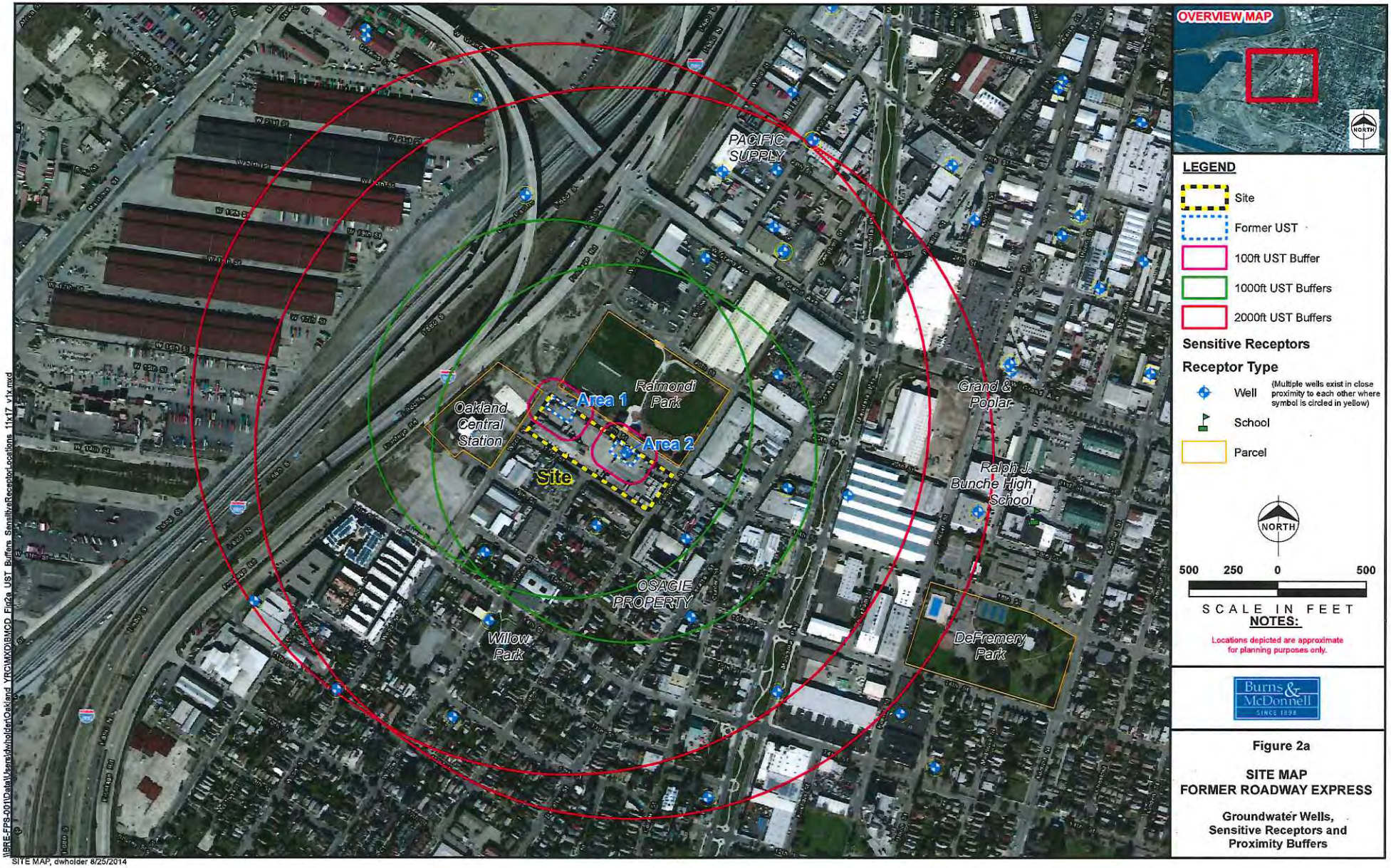


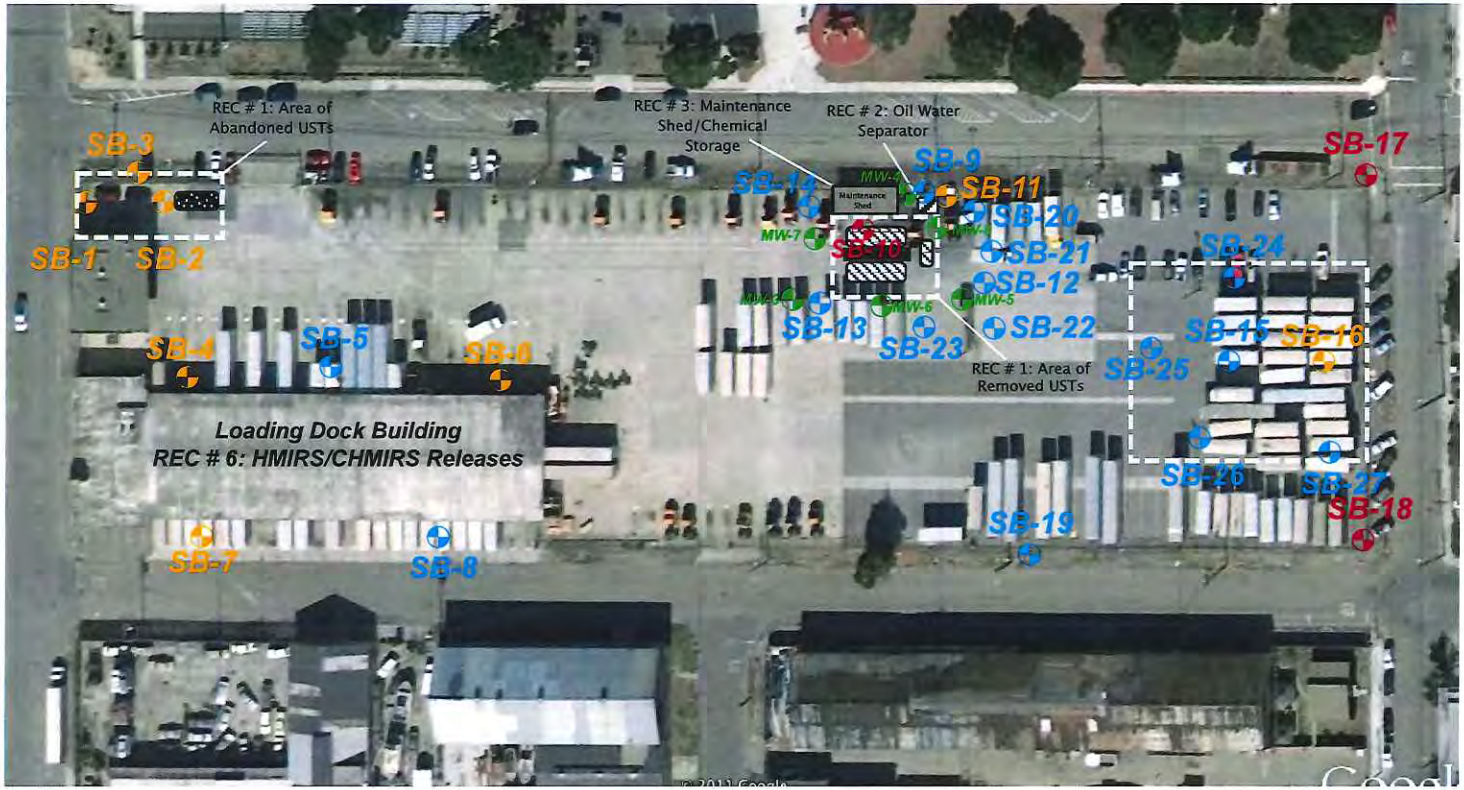
Figure 2a

SITE MAP
FORMER ROADWAY EXPRESS

Groundwater Wells, Sensitive Receptors and Proximity Buffers

\\BRE-FPS-001\Data\Users\dwholder\Oakland_YRC\MXD\BMOD_Fig2a_UST_Buffers_SensitiveReceptorLocations_11x17_v1x.mxd

SITE MAP, dwholder 8/25/2014



- *Approximate Location of Oil Water Separator*
- *Approximate Location of Removed USTs Based on Burns McDonnell 2008 Additional Site Assessment*
- *Approximate Location of Abandoned UST Based on Geophysical Anomalies-Burns McDonnell 2008 Additional Site Assessment Report*
- *Soil and Groundwater Sample Collected*
- *Groundwater Sample Collected*
- *Soil Sample Collected*
- *Monitoring Well Locations*

Title ***Sample Location Map***
1708 Wood Street
Oakland, California

Figure Number: 1	Drawn By: JS
Project Number: 6470-034.01	Date: 2/6/11

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An Employee Owned Company

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W E
S

- *Approximate Location of Oil Water Separator*
- *Approximate Location of Removed USTs Based on Burns McDonnell 2008 Additional Site Assessment*
- *Approximate Location of Abandoned UST Based on Geophysical Anomalies-Burns McDonnell 2008 Additional Site Assessment Report*
- *Soil Samples that Exceed Residential RBSLs*
- *Soil Samples that Exceed Commercial RBSLs*
- *Soil Samples that do not Exceed RBSLs*
- *Groundwater Monitoring Well Locations*

Title: ***Commercial and Residential Soil Sample Location Map 1708 Wood Street Oakland, California***	
Figure Number: 2	Drawn By: JS
Project Number: 6470-034.01	Date: 2/6/11

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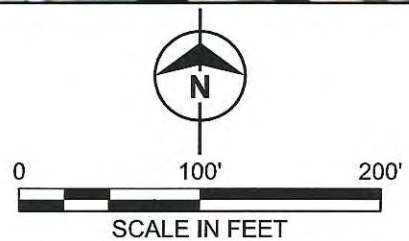

Burns & McDonnell
SINCE 1898

Figure 2

SITE MAP
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

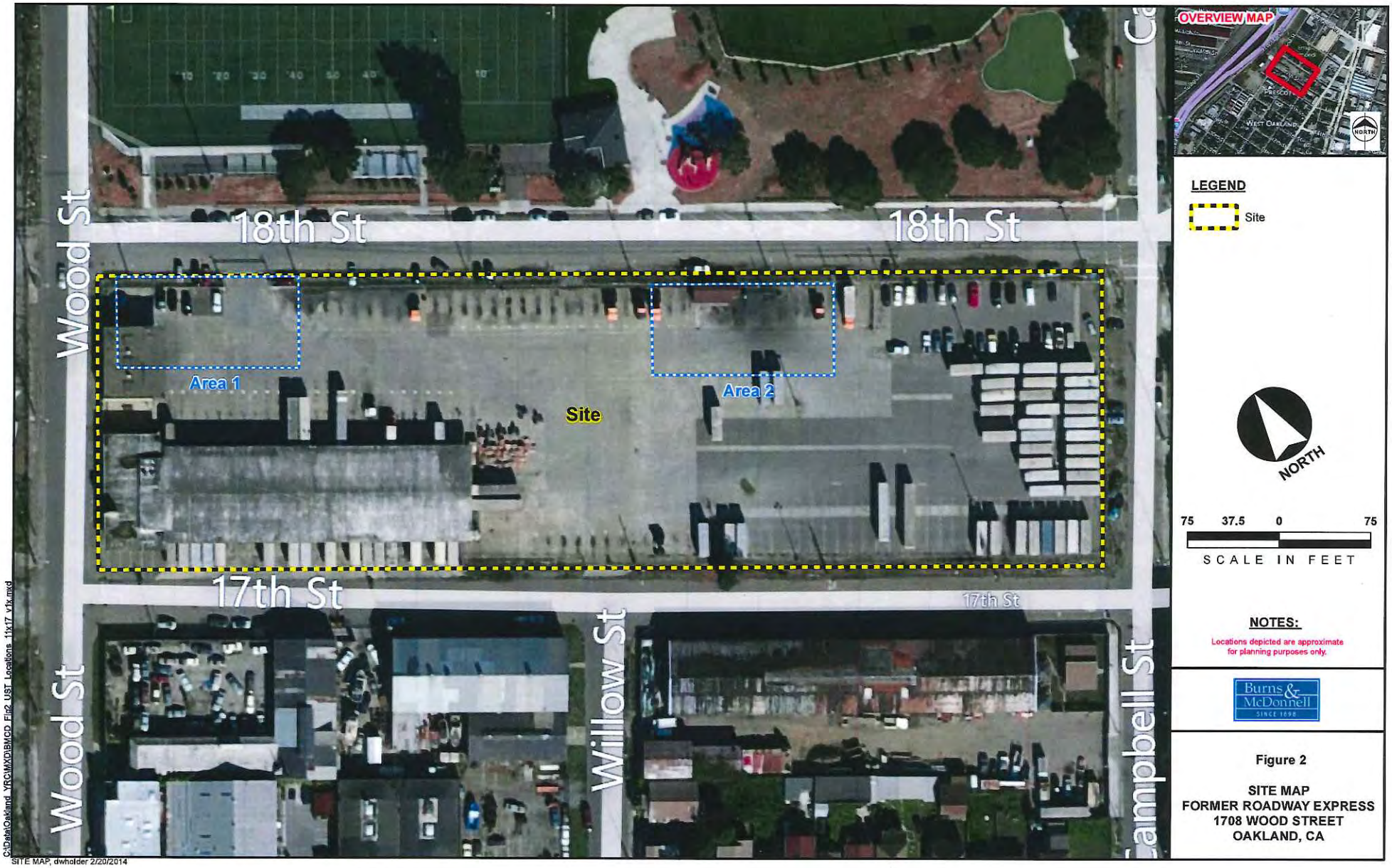

Figure 2

SITE MAP
FORMER ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

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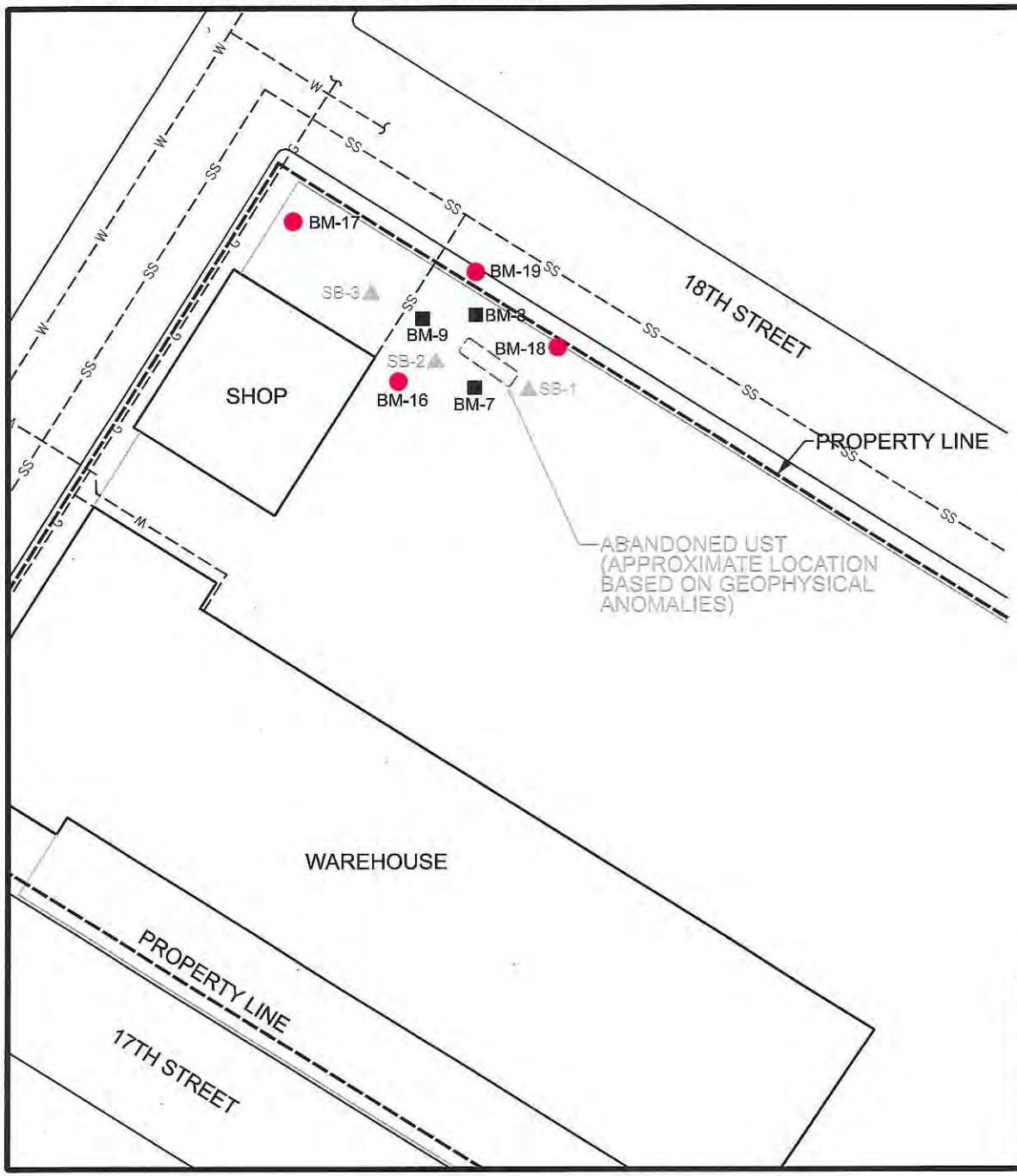
SITE MAP, dwholder 2/20/2014



LEGEND

- SOIL BORING (BURNS & McDONNELL, AUGUST 2008)
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007)
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SS SEWER LINE
- W WATER LINE
- G NATURAL GAS LINE

NOTES

1. SOIL BORING LOCATIONS ARE APPROXIMATE.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

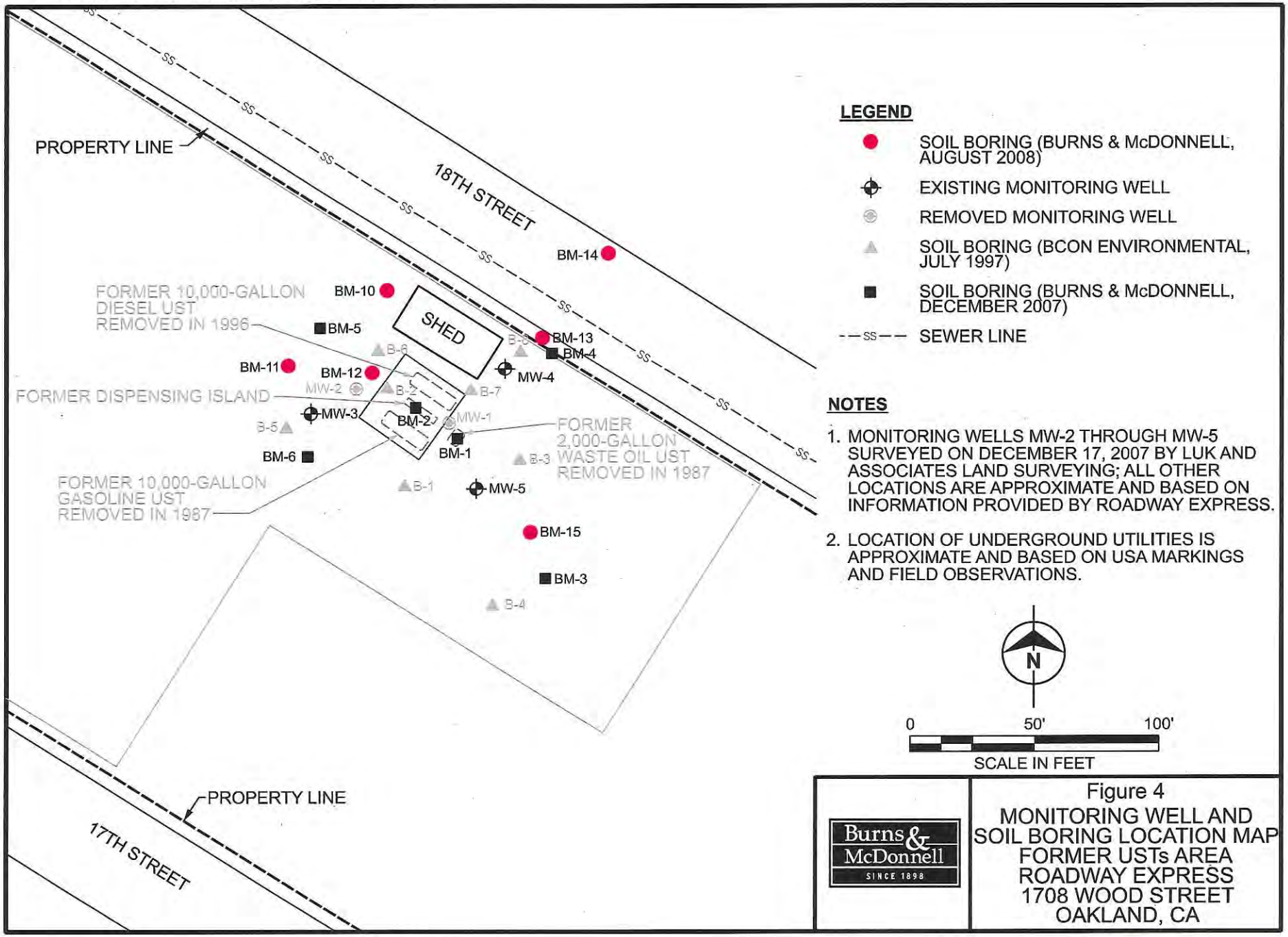
0 50' 100'

SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 3

SOIL BORING LOCATION MAP
ABANDONED USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA



Burns & McDonnell SINCE 1898

Figure 4
MONITORING WELL AND SOIL BORING LOCATION MAP
FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

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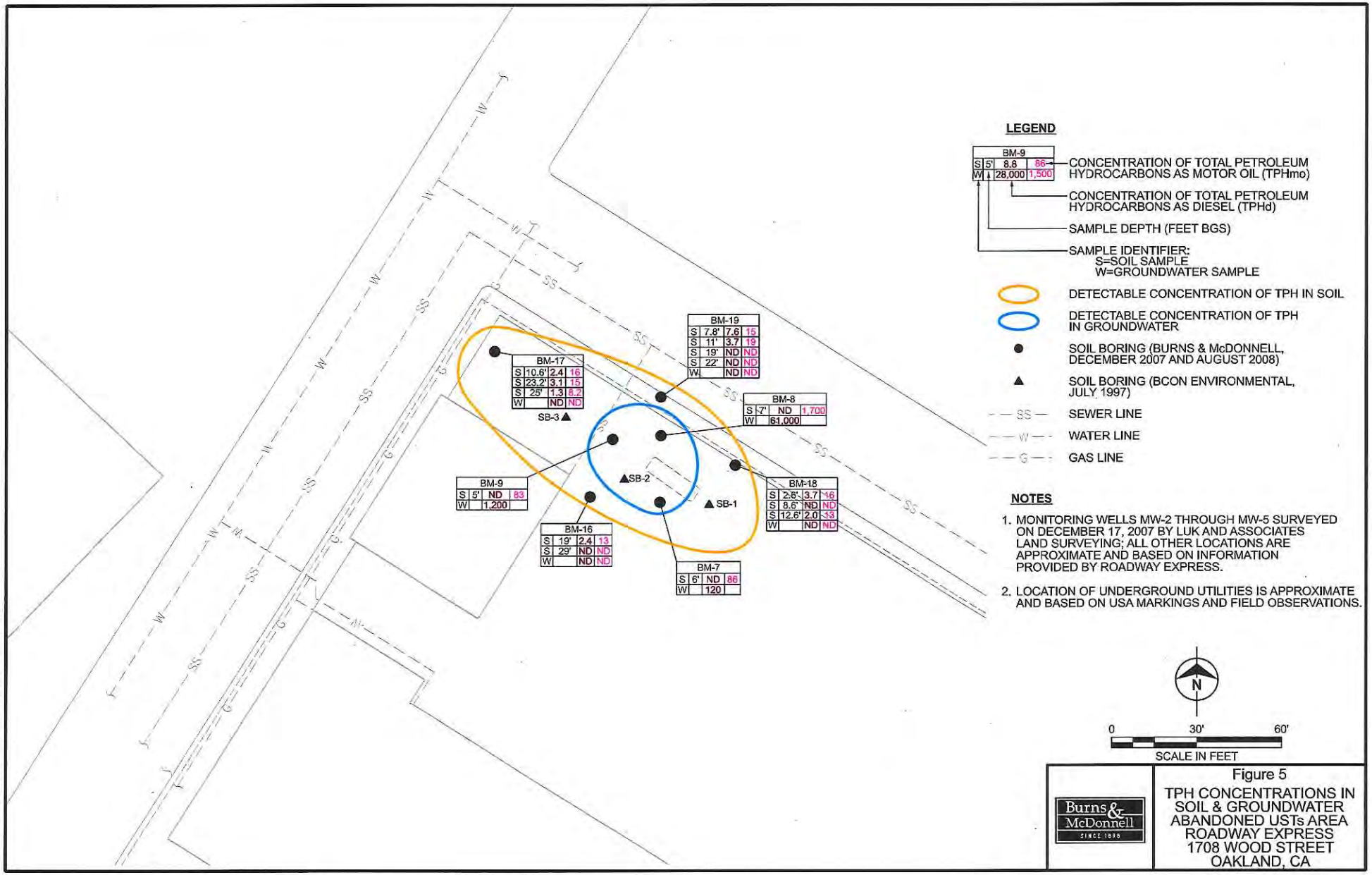
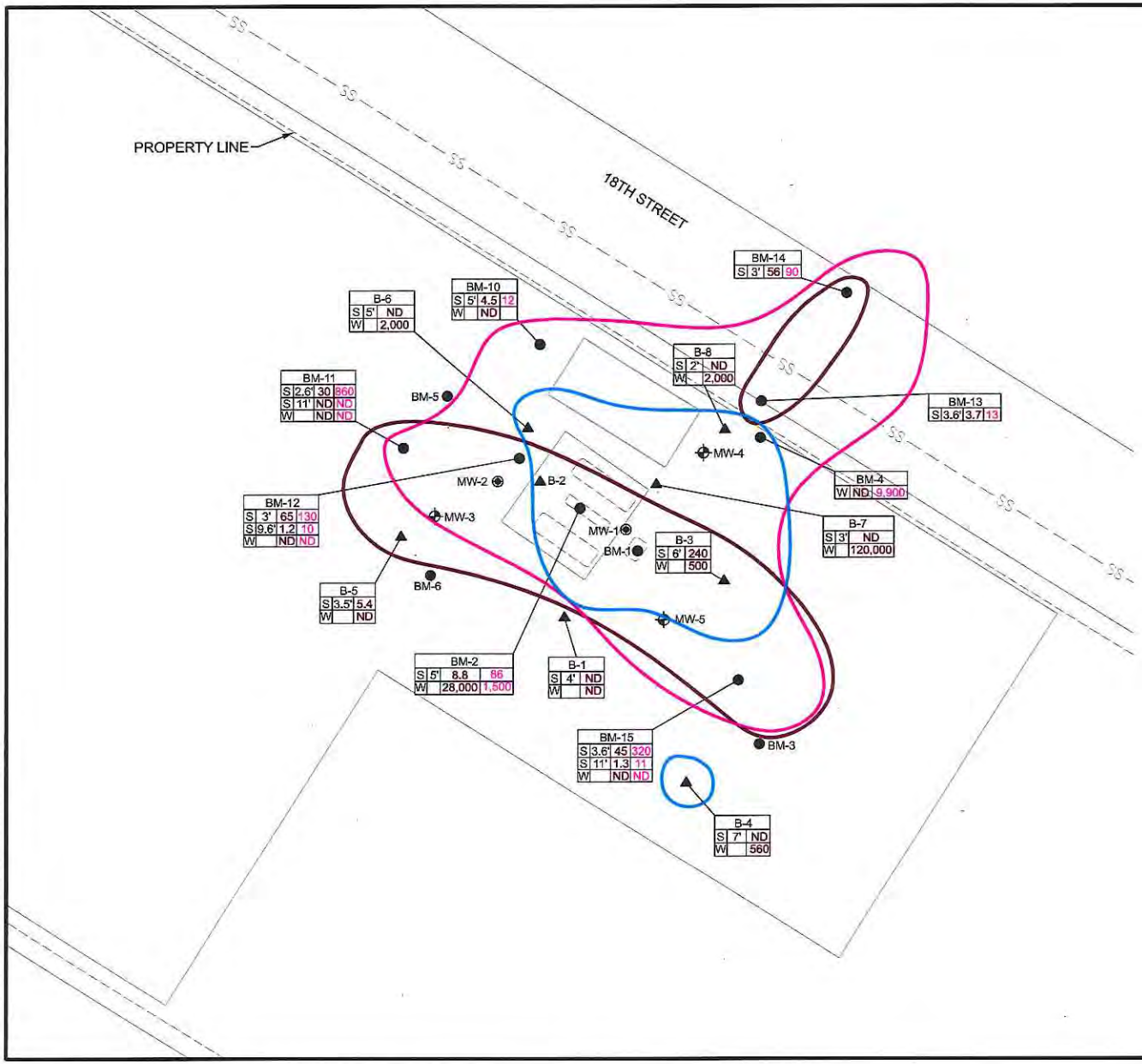


Figure 5

TPH CONCENTRATIONS IN SOIL & GROUNDWATER
ABANDONED USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

Burns & McDonnell SINCE 1898

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\YRC-OAK 2008-NORTH.DGN 9-04-2008 12:15 F_BITTNE



LEGEND

BM-2
S 5' 8.8 86
W 28,000 1,500

- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL (TPHmo)
- CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPHd)
- SAMPLE DEPTH (FEET BGS)
- SAMPLE IDENTIFIER: S=SOIL SAMPLE W=GROUNDWATER SAMPLE
- DETECTABLE CONCENTRATION OF TPHd IN SOIL
- DETECTABLE CONCENTRATION OF TPHmo IN SOIL
- DETECTABLE CONCENTRATION OF TPH IN GROUNDWATER
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007 AND AUGUST 2008)
- EXISTING MONITORING WELL
- REMOVED MONITORING WELL
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- SS SEWER LINE

NOTES

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.

N

0 30' 60'

SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 6

TPH CONCENTRATIONS IN SHALLOW GROUNDWATER & SOIL - FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

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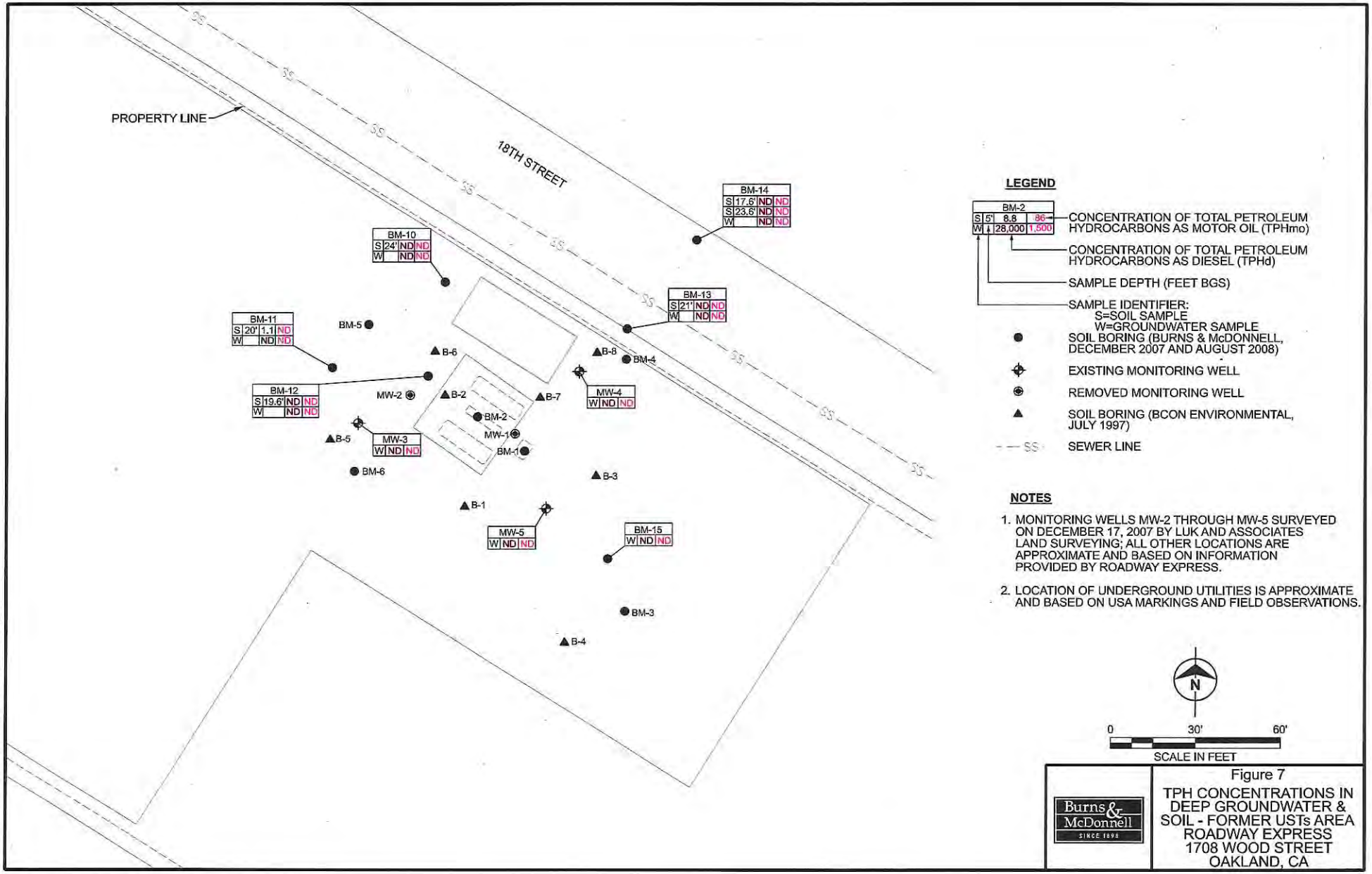

Figure 7

TPH CONCENTRATIONS IN DEEP GROUNDWATER & SOIL - FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

Burns & McDonnell SINCE 1898

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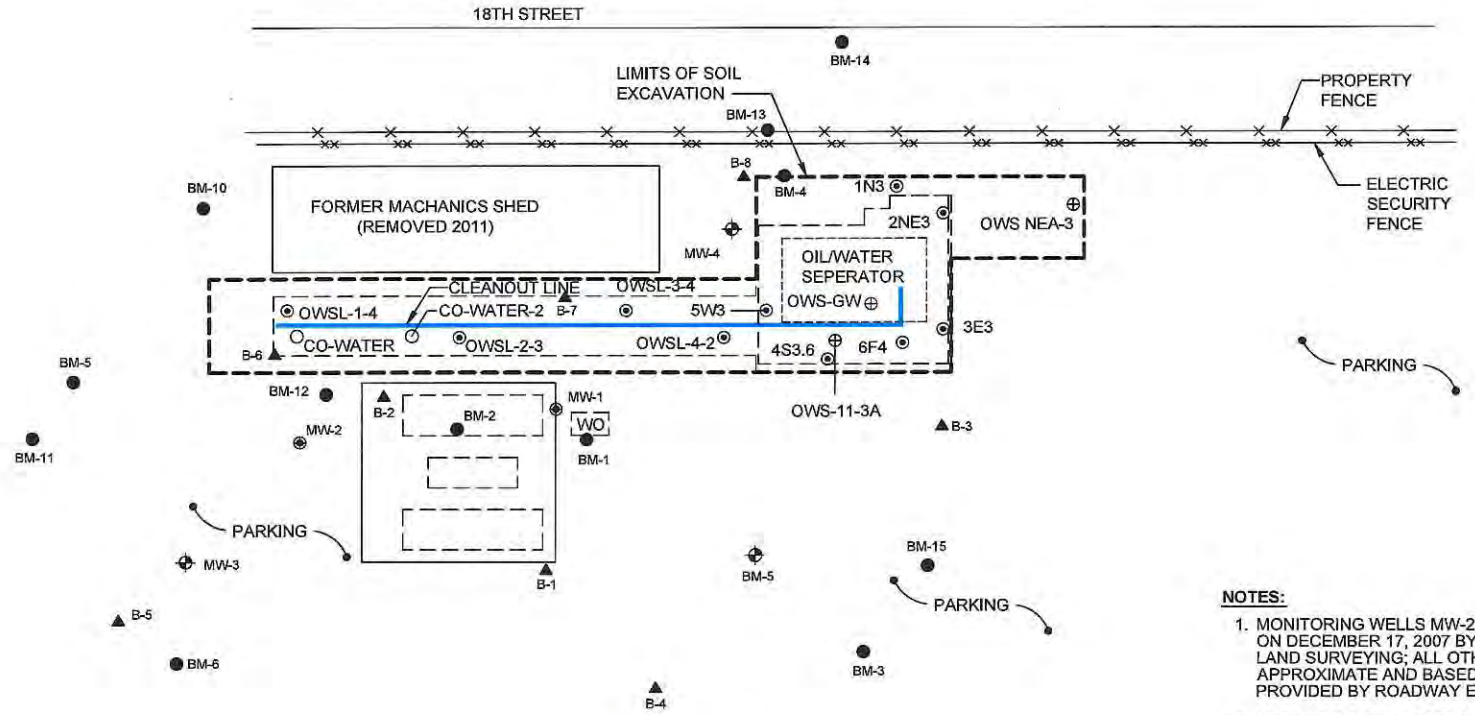


NOTES:

1. MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE AND BASED ON USA MARKINGS AND FIELD OBSERVATIONS.
3. 10,000 GALLON GASOLINE AND DIESEL UST REMOVED 1987
   2,000 GALLON WASTE OIL REMOVED 1987
   OIL WATER SEPARATOR & CLEAN OUT LINE REMOVED NOVERBER 2011

LEGEND:

- SOIL SAMPLE LOCATION
- GROUNDWATER RESAMPLE LOCATION
- SOIL RESAMPLE LOCATIONS
- SOIL BORING (BURNS & McDONNELL, DECEMBER 2007 AND AUGUST 2008)
- EXISTING MONITORING WELL
- REMOVED MONITORING WELL
- SOIL BORING (BCON ENVIRONMENTAL, JULY 1997)
- CLEANOUT LINE
- EXCAVATION LIMITS/CONCRETE REPLACEMENT
- OWS — OIL/WATER SEPARATOR
- ORIGINAL EXCAVATION
- WO — WASTE OIL UST REMOVED 1987 (LOCATION APPROXIMATE)
- UST & ISLANDS REMOVED 1987

N

0 10' 20'

SCALE IN FEET

Burns & McDonnell

Figure 7
SITE PLAN
CENTRAL EASTERN (OWS)
HISTORICAL BORINGS
1708 WOOD STREET
YRC SERVICES INC.

\\ENVSRV\DATA\SFODATA\PROJECTS\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\JAN2012\YRC OAKLAND FIG 7-JAN26_2012.DWG 2/3/2012 10:16 AM SBARBER

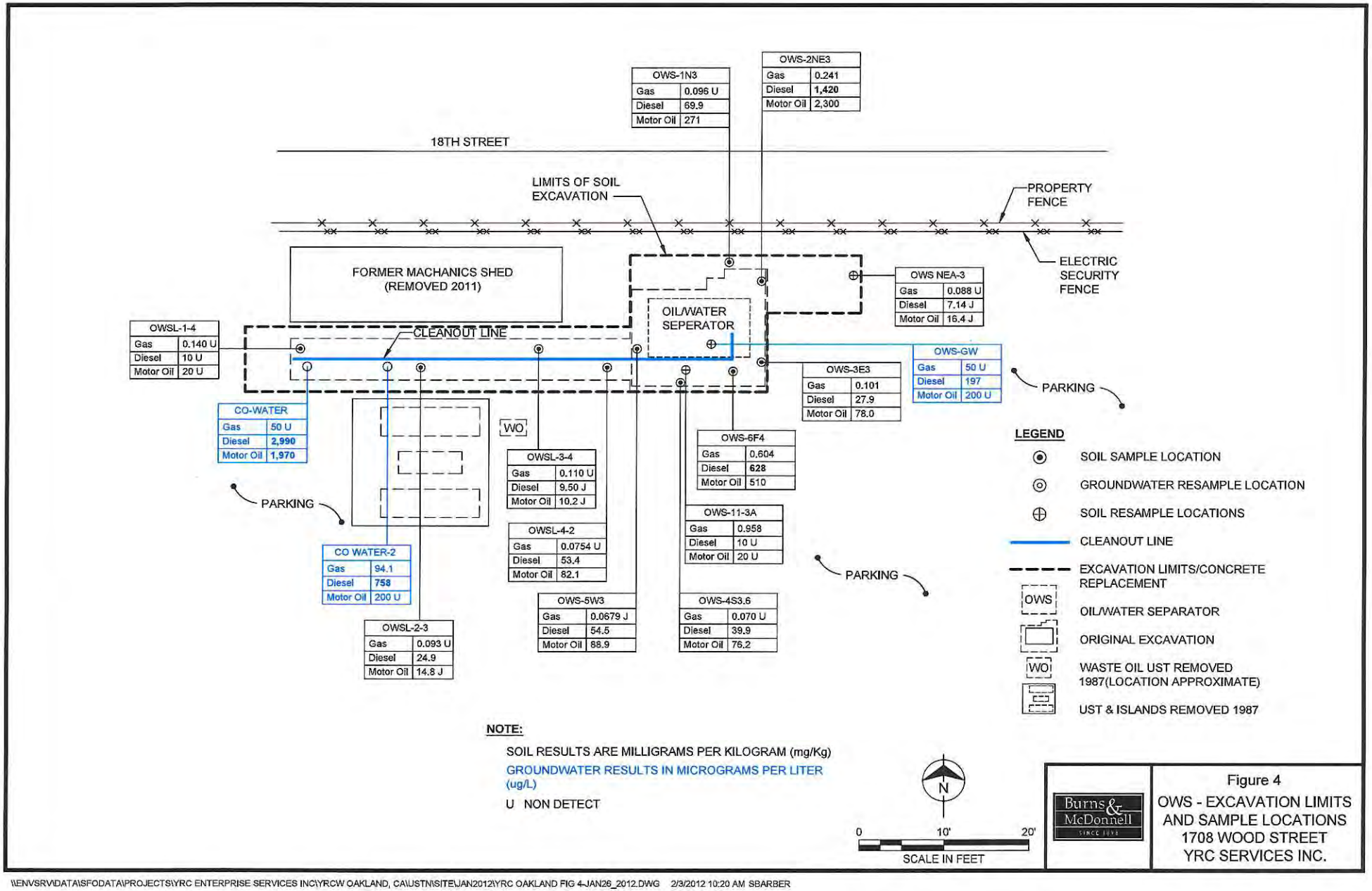
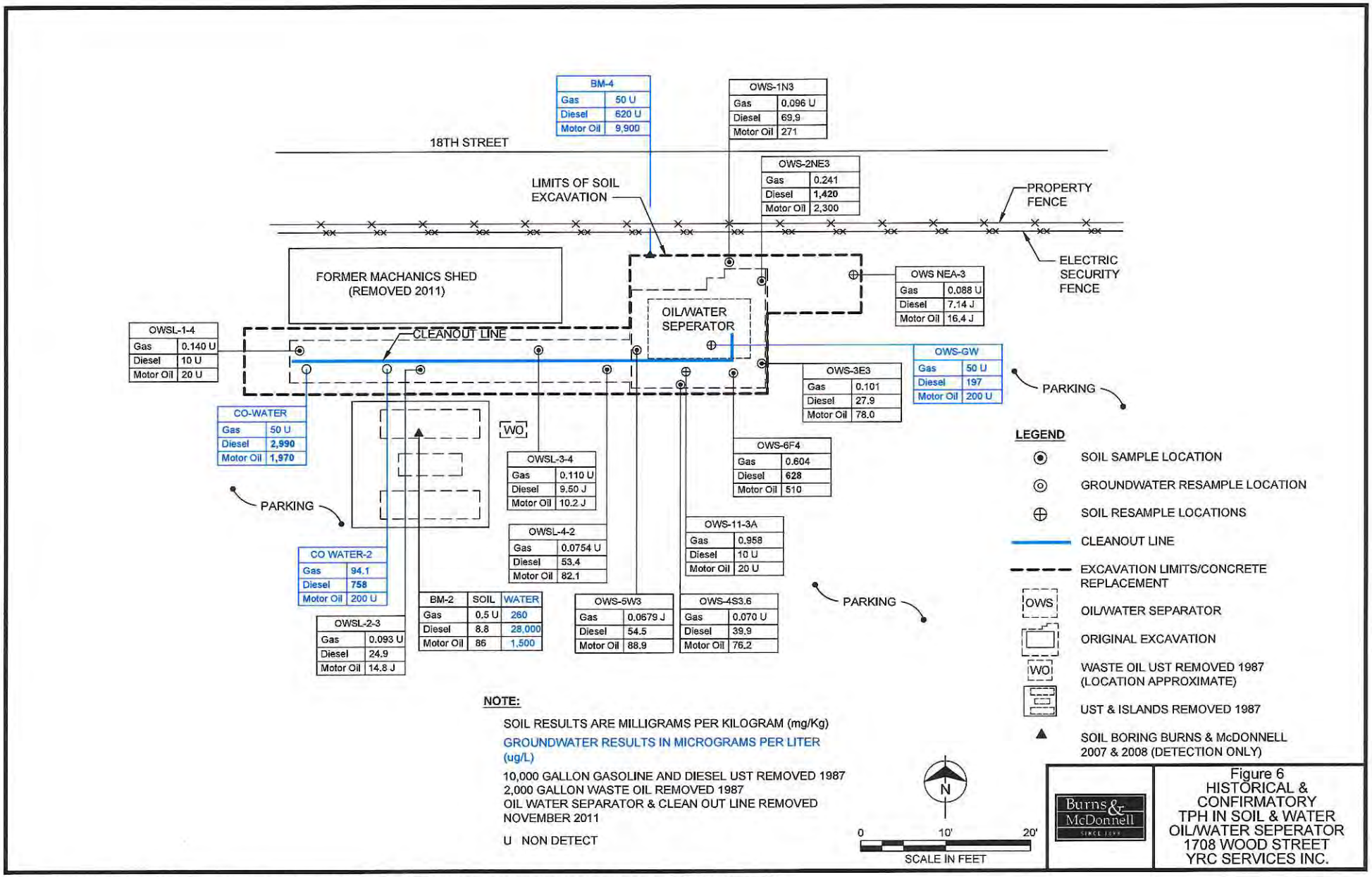
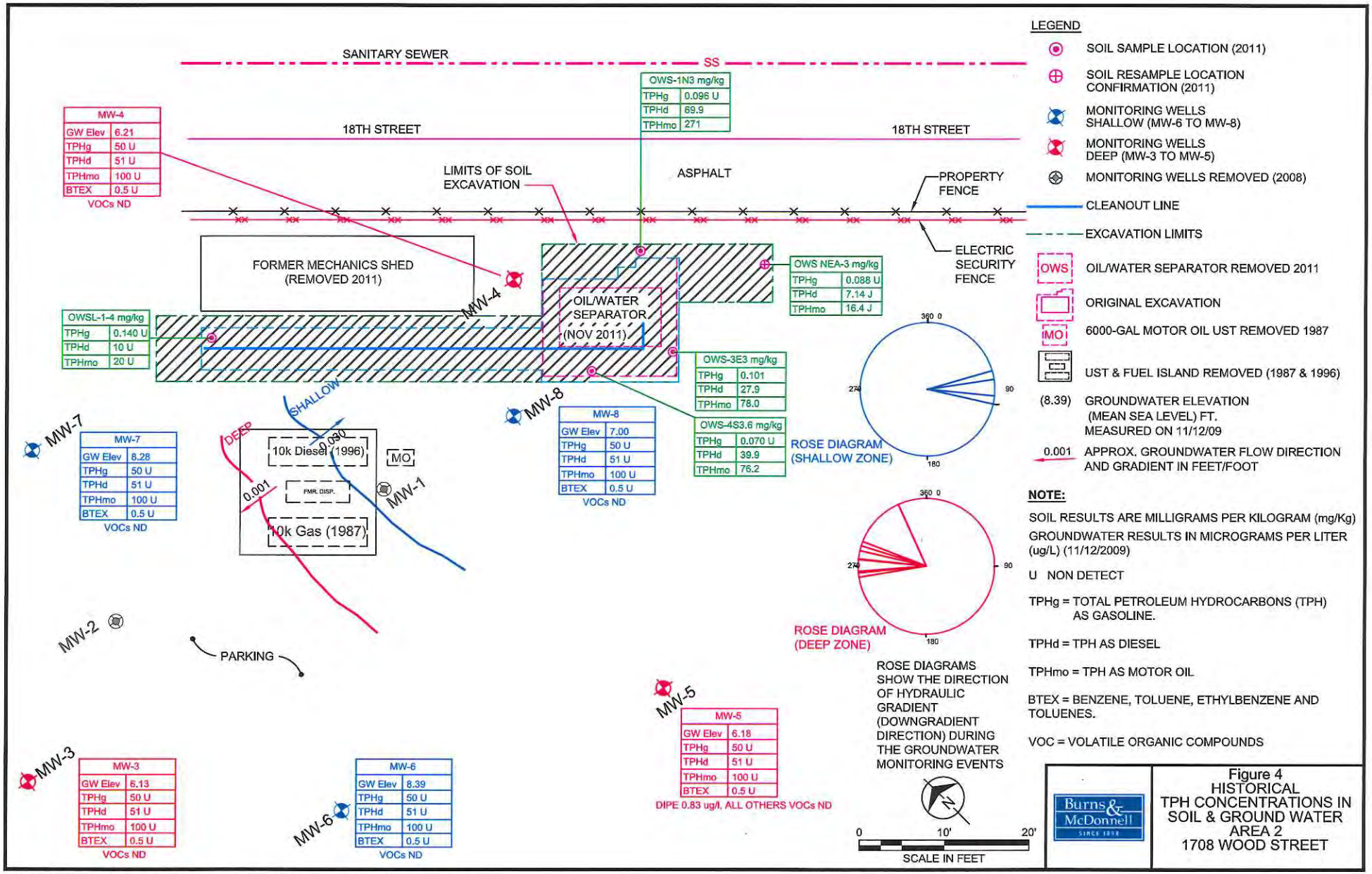


Figure 4
OWS - EXCAVATION LIMITS AND SAMPLE LOCATIONS
1708 WOOD STREET
YRC SERVICES INC.

\\ENVSRV\DATA\SFODATA\PROJECTS\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\USTN\SITE\JAN2012\YRC OAKLAND FIG 4-JAN26_2012.DWG 2/3/2012 10:20 AM SBARBER



\\ENVSRV\DATA\SFODATA\PROJECTS\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\N\SITE\JAN2012\YRC OAKLAND FIG 6-JAN26_2012.DWG 3/5/2012 2:39 PM OSHELDON



Burns & McDonnell SINCE 1898

Figure 4
HISTORICAL TPH CONCENTRATIONS IN SOIL & GROUND WATER
AREA 2
1708 WOOD STREET

C:\BMCD_LIB\PW\BCOLLANTES\ENV\D0113823\YRC OAKLAND FIG 4.DWG 2/28/2014 10:30 AM BCOLLANTES

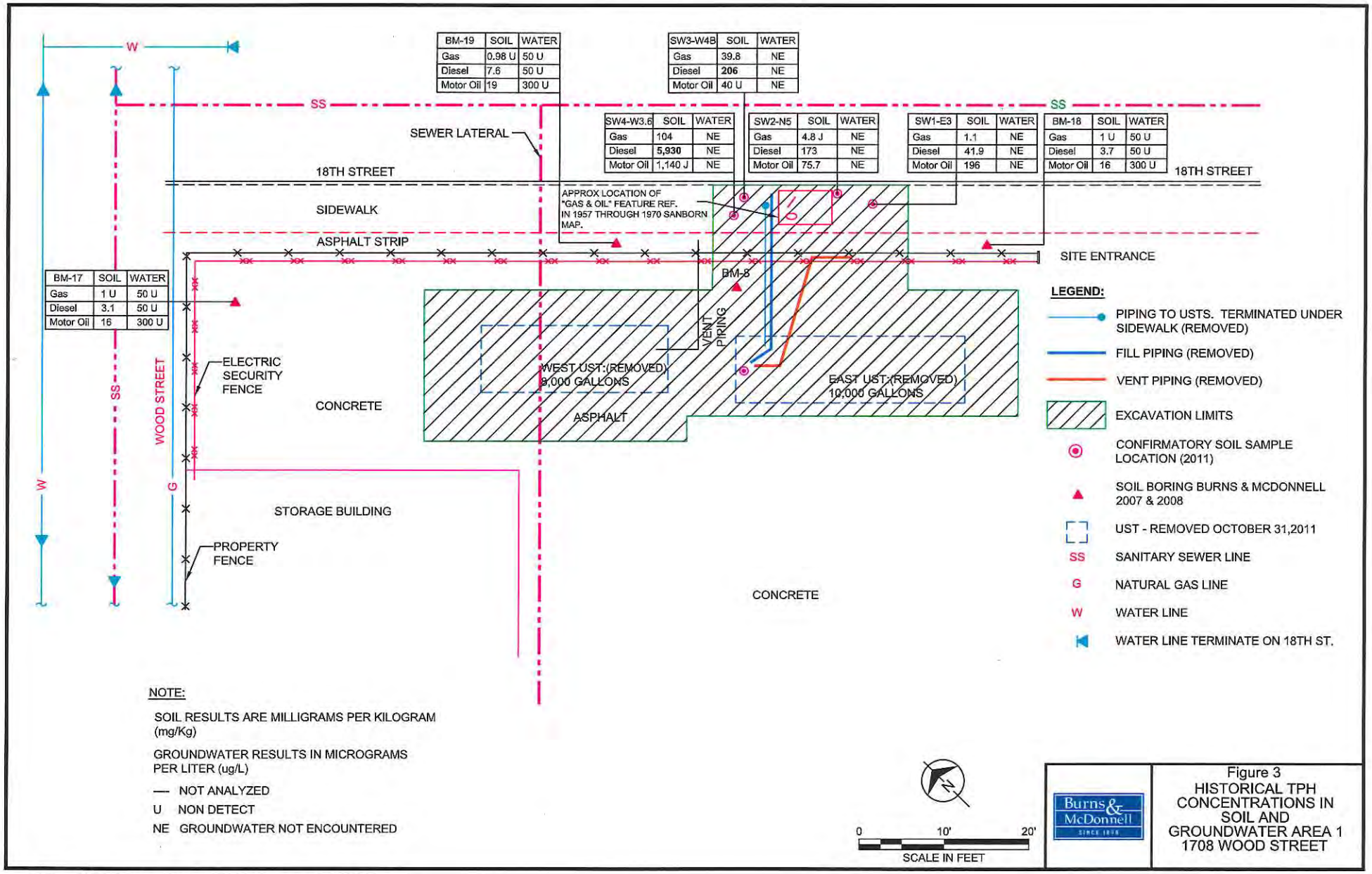
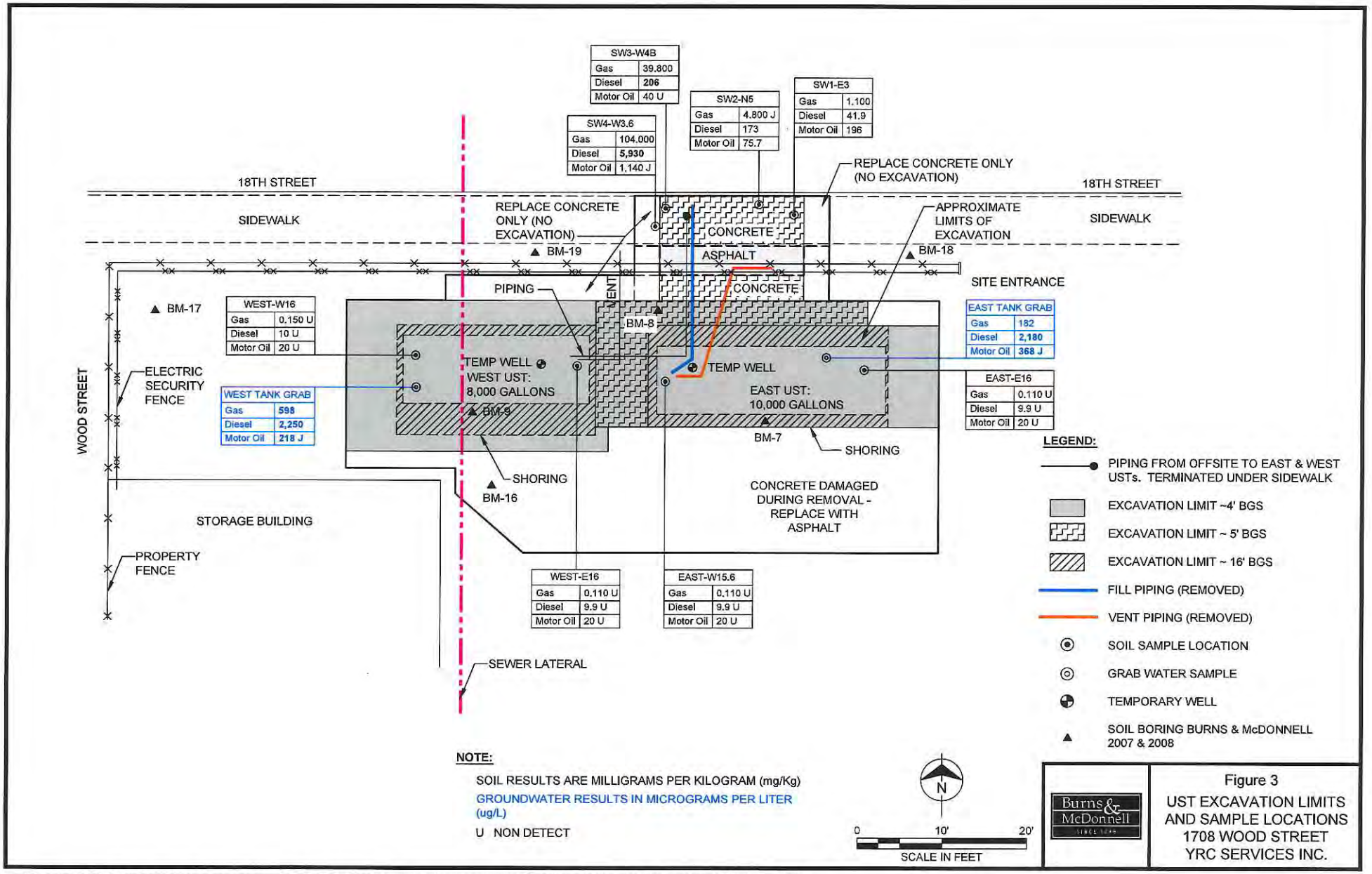


Figure 3
HISTORICAL TPH CONCENTRATIONS IN SOIL AND GROUNDWATER AREA 1
1708 WOOD STREET

C:\BMCD_LIB\PW\BCOLLANTES\ENV\D0113823\YRC OAKLAND FIG 3.DWG 2/28/2014 10:52 AM BCOLLANTES



\\WCCADD\DATA\SFODATA\PROJECTS\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\N\SITE\JAN2012\YRC OAKLAND FIG 3-JAN26_2012.DWG 1/31/2012 4:44 PM OSHELDON

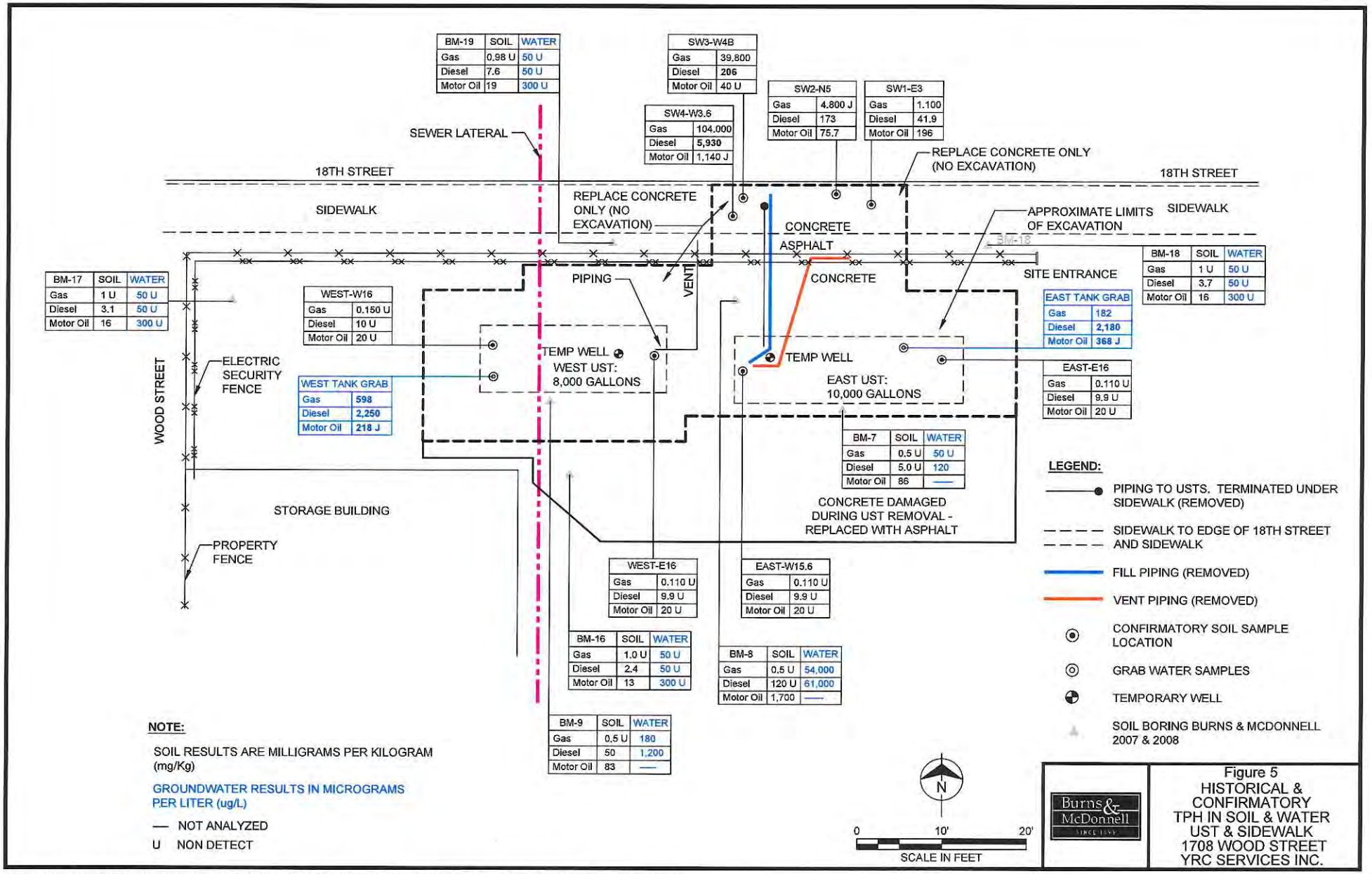
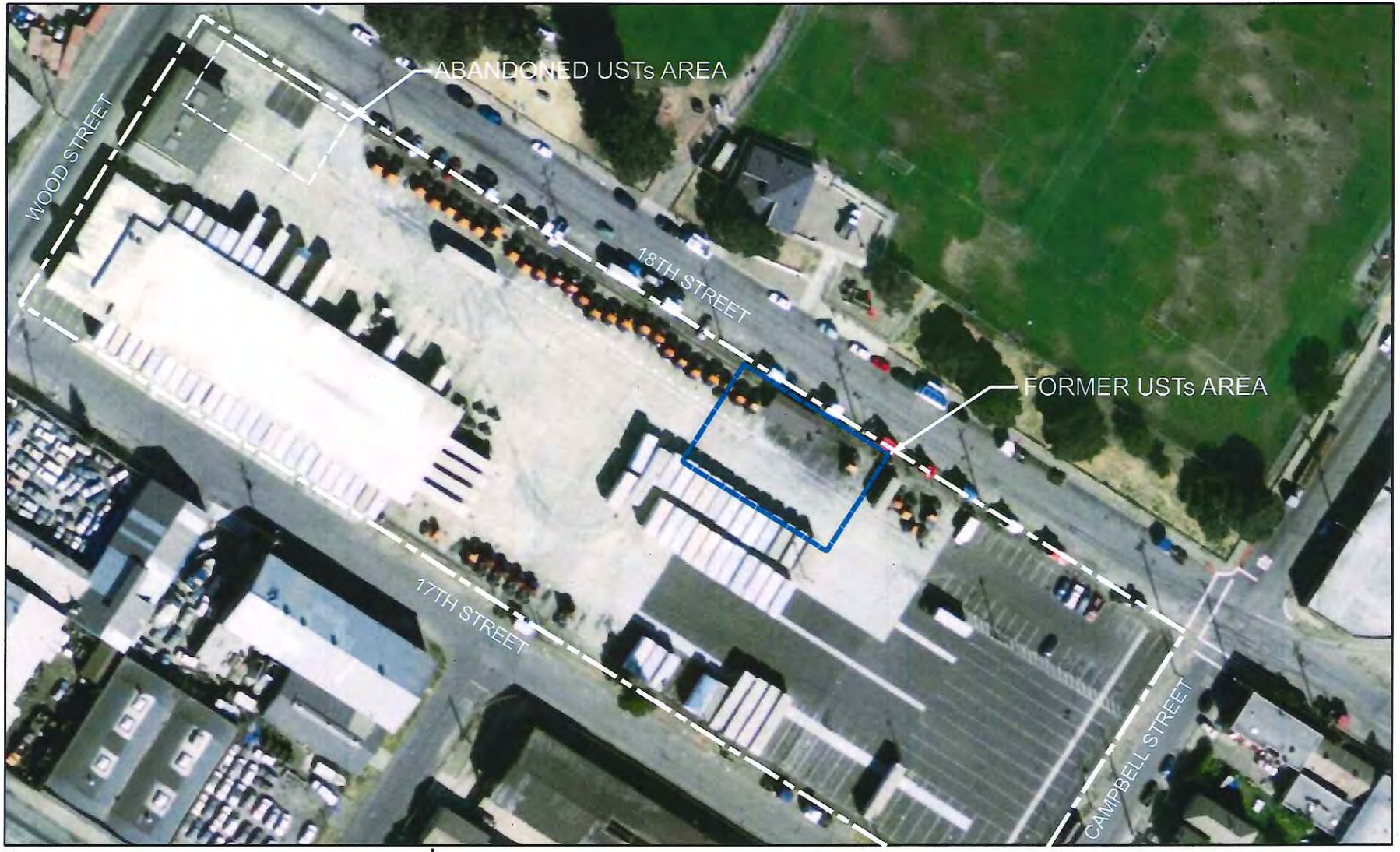


Figure 5
HISTORICAL & CONFIRMATORY TPH IN SOIL & WATER UST & SIDEWALK
1708 WOOD STREET
YRC SERVICES INC.

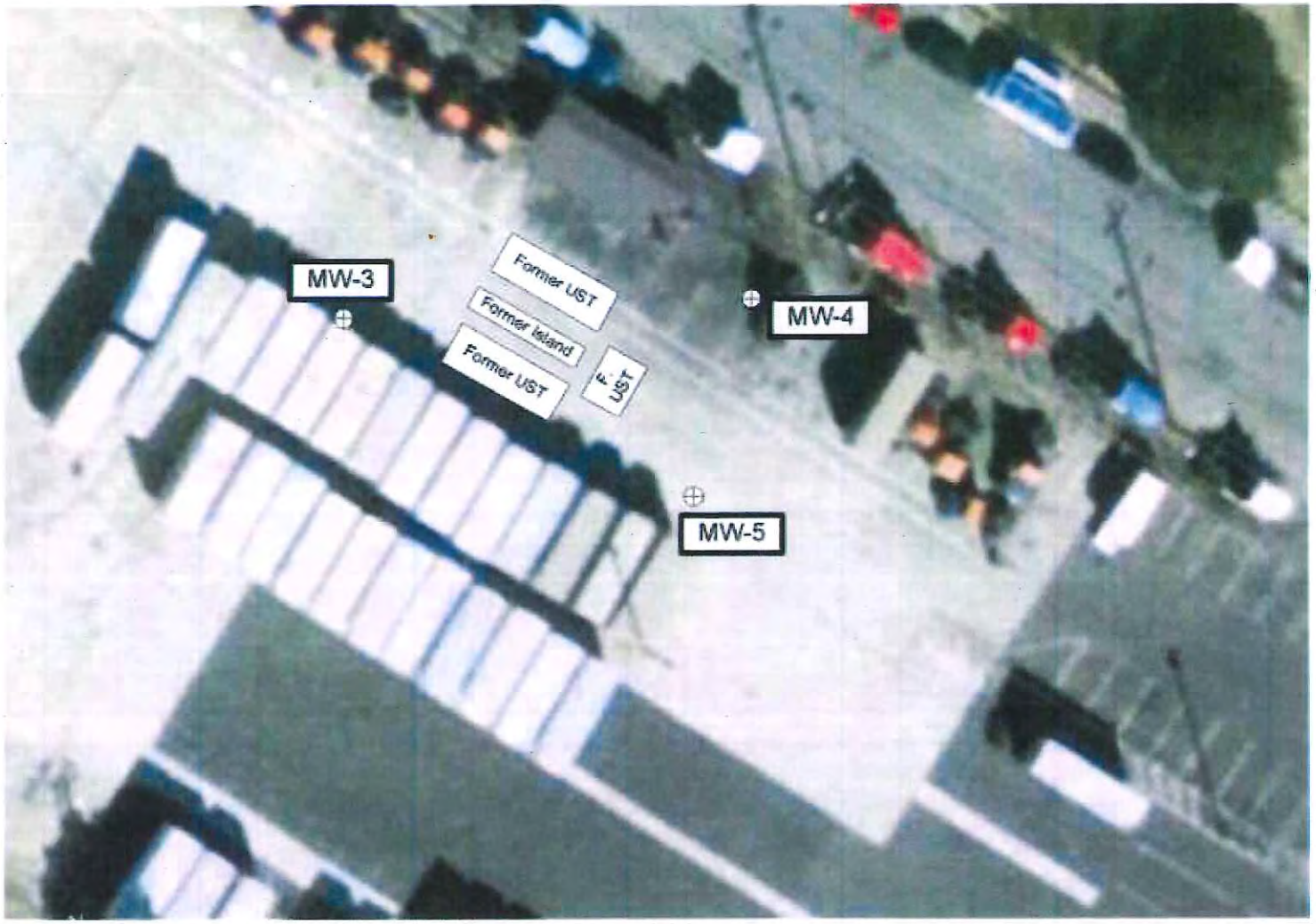
\\ENVSRV\DATA\SFODATA\PROJECTS\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\N\SITE\JAN2012\YRC OAKLAND FIG 5-JAN26_2012.DWG 3/5/2012 3:07 PM OSHELDON



Burns & McDonnell
SINCE 1898

Figure 2

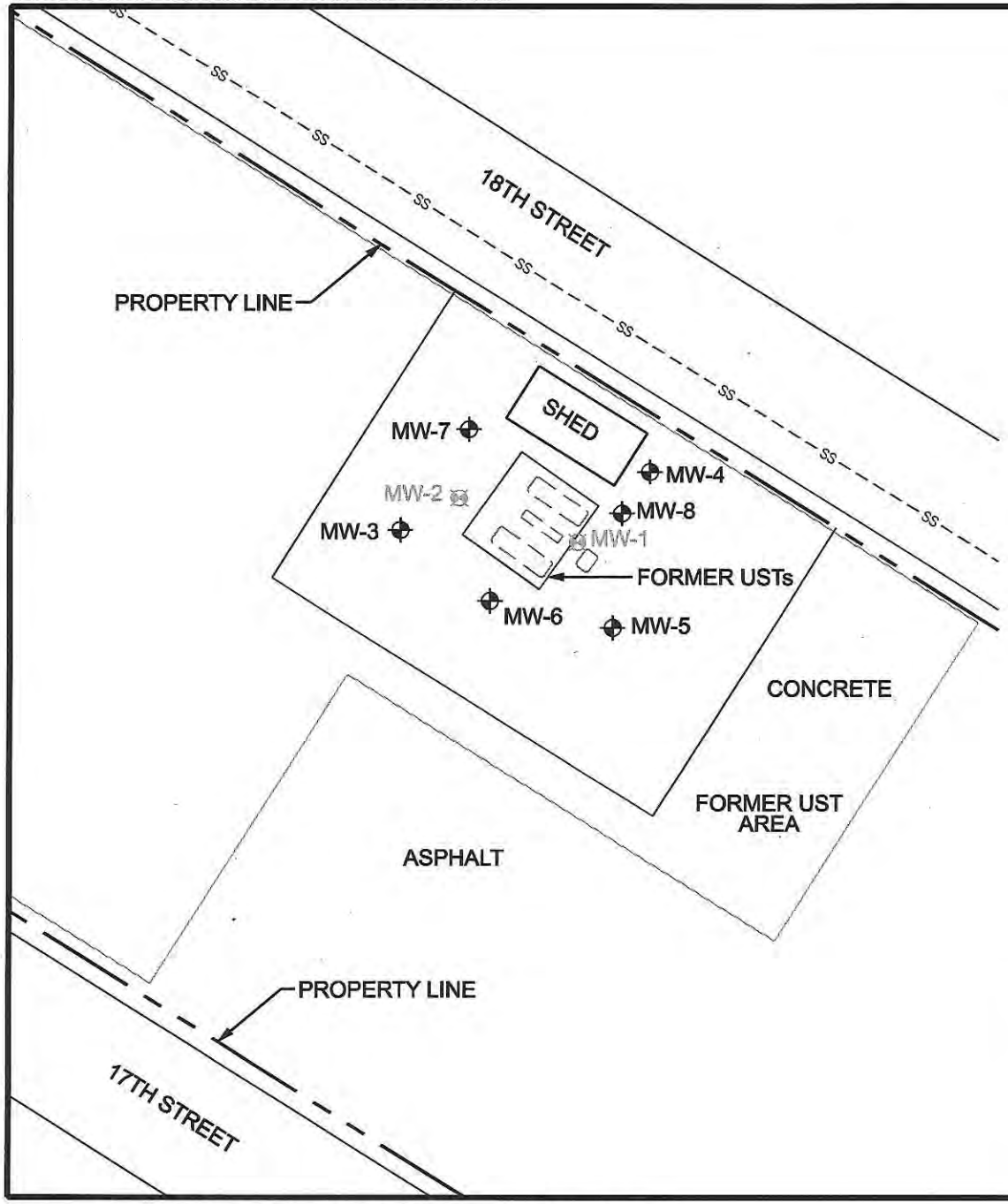
SITE MAP
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA



Source: Google Earth, 2006

Burns & McDonnell

FIGURE 3
Former UST Area
Roadway Express
1708 Wood St.; Oakland, CA

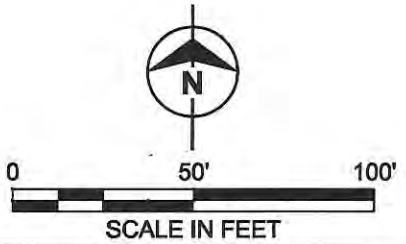


LEGEND

- EXISTING MONITORING WELL
- MONITORING WELL ABANDONED AUGUST 2008

NOTE:

MONITORING WELL MW-2 SURVEYED ON DECEMBER 17,2007 BY LUK AND ASSOCIATES LAND SURVEYING; MONITORING WELLS MW-6 THROUGH MW-8 SURVEYED ON MARCH 3, 2009 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.

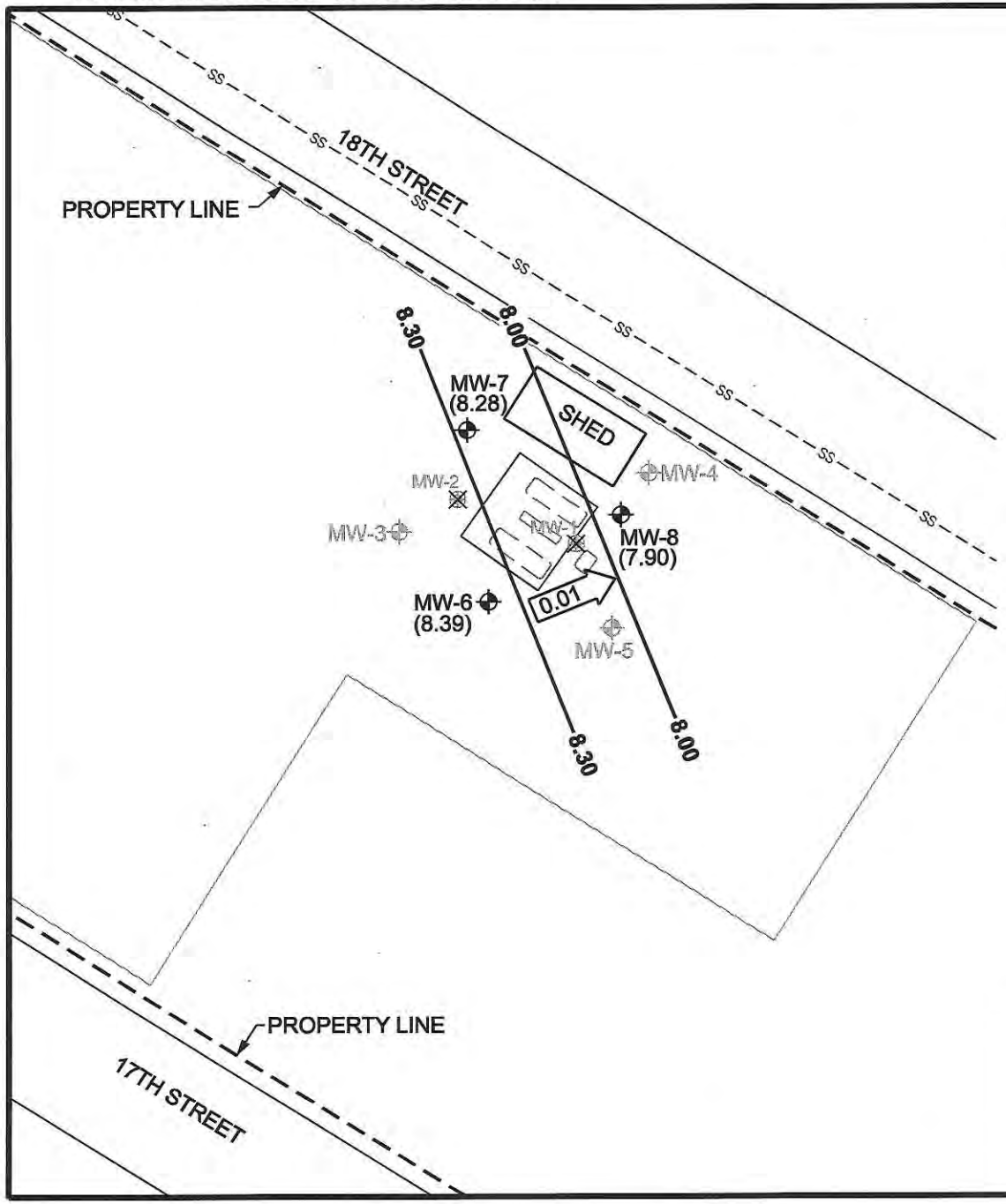


Burns & McDonnell
SINCE 1898

Figure 3

GROUNDWATER WELLS
FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC Enterprise Services Inc\YRCW Oakland, CA\ustn\Quarterly\YRC-OAK 2009-11-12 FG3.dgn 11-12-2009 DNYBERG



LEGEND

- EXISTING MONITORING WELL
- MONITORING WELL ABANDONED AUG. 2008
- (7.90) GROUNDWATER ELEVATION (FT MSL) MEASURED ON NOVEMBER 12, 2009.
- GROUNDWATER CONTOUR (FT MSL) - DASHED WHERE INFERRED
- 0.01 GROUNDWATER FLOW DIRECTION AND GRADIENT IN FEET/FOOT
- (8.86*) WATER LEVEL FROM SHALLOW SCREENED INTERVAL DOES NOT CORRELATE TO OTHER WELLS

NOTE:

MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.

N

0 50' 100'

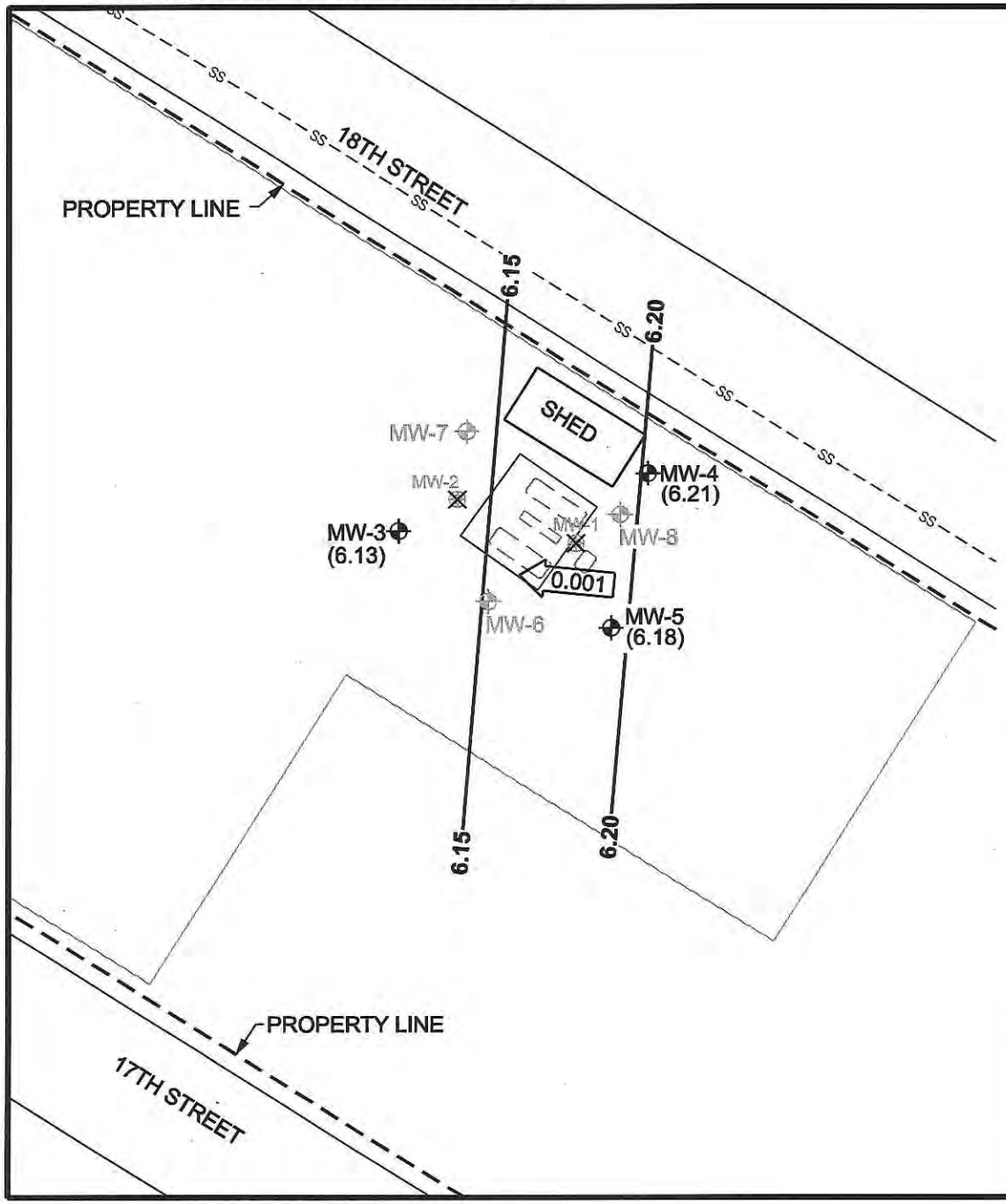
SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 4

GROUNDWATER ELEVATIONS
SHALLOW ZONE 4Q-2009
FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\N\QUARTERLY\YRC-OAK 2009-11-12 FG4.DGN 11-26-2009 14:42 DNYBERG

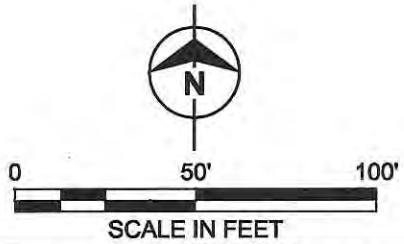


LEGEND

- ⊕ EXISTING MONITORING WELL
- ⊠ MONITORING WELL ABANDONED AUG. 2008
- (6.18) GROUNDWATER ELEVATION (FT MSL) MEASURED ON NOVEMBER 12, 2009.
- ~ GROUNDWATER CONTOUR (FT MSL) - DASHED WHERE INFERRED
- 0.001 → GROUNDWATER FLOW DIRECTION AND GRADIENT IN FEET/FOOT
- (8.86*) WATER LEVEL FROM SHALLOW SCREENED INTERVAL DOES NOT CORRELATE TO OTHER WELLS

NOTE:

MONITORING WELLS MW-2 THROUGH MW-5 SURVEYED ON DECEMBER 17, 2007 BY LUK AND ASSOCIATES LAND SURVEYING; ALL OTHER LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION PROVIDED BY ROADWAY EXPRESS.



SCALE IN FEET

Burns & McDonnell
SINCE 1898

Figure 5

GROUNDWATER ELEVATIONS
DEEP ZONE 4Q-2009
FORMER USTs AREA
ROADWAY EXPRESS
1708 WOOD STREET
OAKLAND, CA

K:\YRC ENTERPRISE SERVICES INC\YRCW OAKLAND, CA\UST\QUARTERLY\YRC-OAK 2009-11-12 FG5.DGN 11-28-2009 14:42 DNYBERG

ATTACHMENT 7

GT Environmental Laboratories
A division of Groundwater Technology, Inc.

Western Region
4080-C Pike Ln., Concord, CA 94520
(415) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*

04/28/87
PROJECT MGR: Joyce Miley
Groundwater Technology, Inc
4080 Pike Lane
Concord, CA. 94520
PROJECT #:029000-638-1
LOCATION: Oakland, CA.
SAMPLED: 04/17/87 BY: R.Knight
RECEIVED: 04/20/87 BY: R.Heines
ANALYZED: 04/27/87 BY: E.Foley
MATRIX: Soil

TEST RESULTS (ppm)

COMPOUNDS	LAB # I.D.#	1903 SB1-B (9')	1904 SB2-A (5')	1905 SB3-A (5')
Benzene		<1.0	<1.0	<1.0
Ethylbenzene		<1.0	<1.0	<1.0
Toluene		<1.0	<1.0	<1.0
Xylenes		<1.0	<1.0	<1.0
Total BTEX		<1.0	<1.0	<1.0
Chlorobenzene		--	--	--
1,2 DCB		--	--	--
1,3 DCB		--	--	--
1,4 DCB		--	--	--
MEK		--	--	--
MIBK		--	--	--
Misc.Aromatics		<1.0	14.4	3.4
Total Hydrocarbons		<1.0	14.4	3.4

One week turnaround.

-- = Not Requested. < = Method Detection Limit-Compound below this level would not be detected. MEK = Methyl Ethyl Ketone MIBK = Methyl Isobutyl Ketone
METHODS: Modified EPA Method 5030/8020/8015.
Total Hydrocarbons is the summation of Total BTEX and Miscellaneous Aromatics.

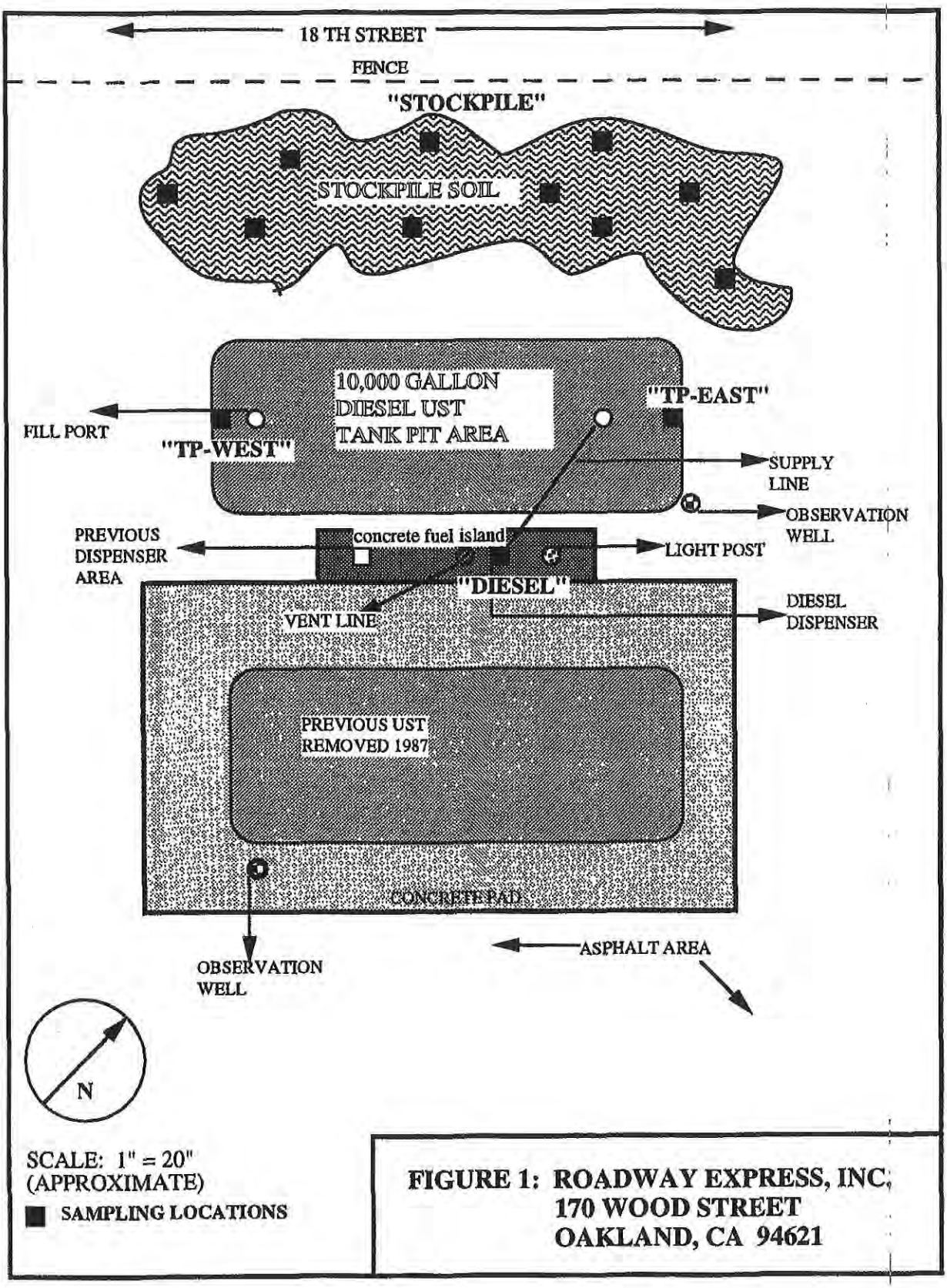


**FIGURE 1: ROADWAY EXPRESS, INC.
170 WOOD STREET
OAKLAND, CA 94621**

Table 2

Sample No.	TPH Levels (mg/kg)	BTEX Levels (mg/kg)	Sample Location
TP-West	<10	BDL	Tank Pit
TP-East	<10	BDL	Tank Pit
Stockpile	7400	0.041 Ethylbenzene 0.095 Total Xylene	Stockpile
Dispenser	11000	0.033 Total Xylene	Dispenser
Detection Limits	**10**	**refer to Appendix E**	**N/A**

5.0 BACKFILLING OPERATIONS

Following removal and inspection of the tanks and excavation, the tank pit area was barricaded until the next day when the tank pit was backfilled with imported clean pea gravel. Based upon the analytical soil sampling and field screening results, the existing tank bedding material could not be utilized as backfill material. A total of 297 tons of clean pea gravel was imported and utilized as backfill material (Refer to Appendix F).

6.0. TANK/LIQUID DISPOSAL

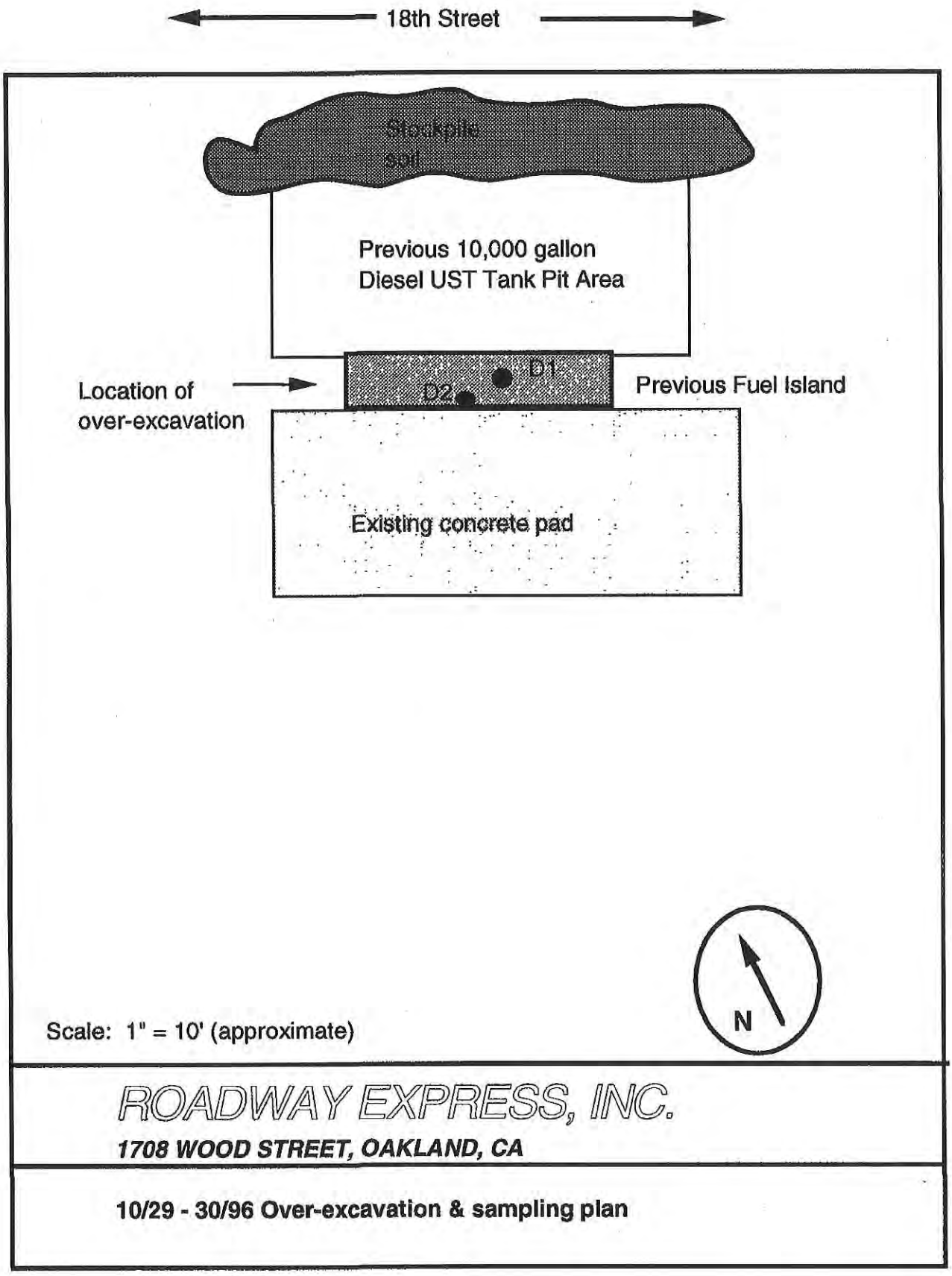
The tank was removed from the site and transported to Crosby & Overton for proper disposal. The Certificate of Destruction for the tank and receipts for disposal of tank liquids are included in Appendix B. A total of 300 gallons of diesel/rinseate was pumped from the tank, hauled and recycled at Evergreen Oil, Inc. (refer to Manifest located in Appendix B).

Evergreen returned on July 11, 1996 to pump the diesel impacted water from the tank pit area. The water had a visible sheen of diesel. Evergreen pumped 2,176 gallons of water/oil from the tank pit and hauled it to Evergreen Oil, Inc. for disposal (refer to Manifest located in Appendix B).

7.0 ADDITIONAL INFORMATION

This report also contains copies of correspondence relating to applicable regulations. Photographic evidence providing an audit trail depicting the sequence of important events is included as Appendix D, required receipts are contained in Appendix B and F, the California State Water Resources Control Board revised Tank Registration Form is included as Appendix G (the original must be signed and forwarded to the state).

One Environment



ROADWAY EXPRESS, INC.

1708 WOOD STREET, OAKLAND, CA

10/29 - 30/96 Over-excavation & sampling plan

ONE ENVIRONMENT
REVISED 2/26/97

Analytical Results:

The following is a summary of the analytical results. Refer to Analytical Report dated November 1, 1996.

Sample #	TPH diesel ppm	TPH gas ppm	Benzene ppm	Toluene ppm	Ethyl-benzene ppm	Xylene ppm	Oil & Grease ppm
D2 - 2'	<10	<0.01	<0.005	<0.005	<0.005	<0.01	12
D1 - 4.5'	5800	300	<0.005	<0.005	<0.005	<0.01	5000

odor to min.

Based upon the analytical data, the soil remains impacted at 4 1/2' bgs (5800 ppm) while the sample located on the southwestern sidewall was non-detect for both TPH-diesel, TPH-gas and BTEX.

Summary:

The results of the October 29 - 30, 1996 over-excavation activities resulted in the removal of additional impacted soils. The contaminated soils (112.95 tons)were transported and disposed of at Altamont Landfill, located at 10840 Altamont Pass Rd., Livermore, California on October 30, 1996. A copy of the waste ticket summary and manifests are provided for your records.

Roadway Express, Inc. has recently received approval of their November 14, 1996 "Soil and Ground Water Investigation Work Plan" from your office. Roadway is currently receiving bids to conduct the investigation and will contact you prior to performing the tasks, as stated in your December 12, 1996 letter.

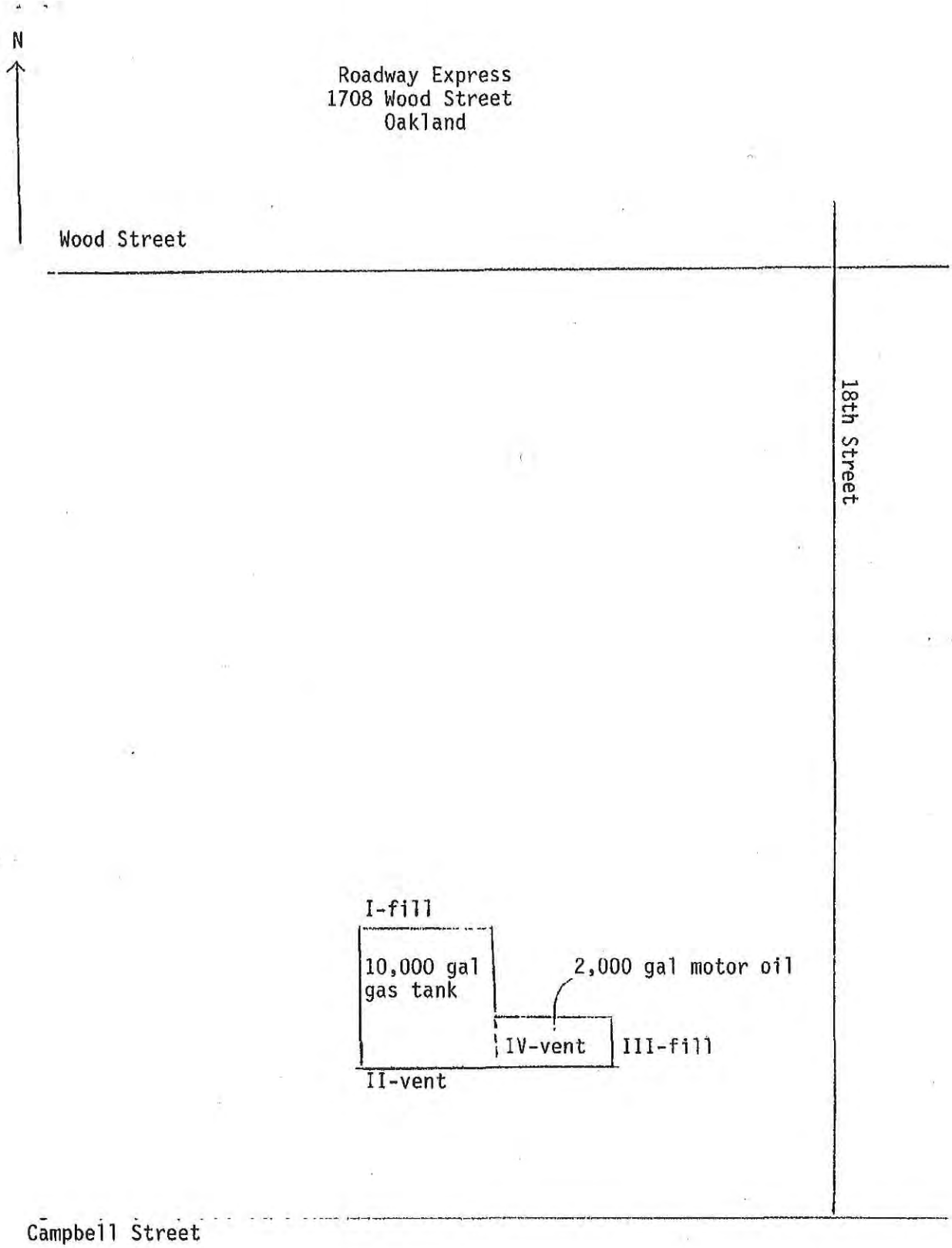
If you have any questions, please contact me at your earliest convenience.

Sincerely,
ONE ENVIRONMENT

Cheryl A. Madden
Geologist, R.E.A.

cc: R.E. Zimmermann Roadway Express, Inc.

240 Termino Avenue • LONG BEACH, CA 90803
(310)987-1096 FAX (310)987-9120


N
Roadway Express
1708 Wood Street
Oakland
Wood Street
18th Street
I-fill
10,000 gal
gas tank
2,000 gal motor oil
IV-vent
III-fill
II-vent
Campbell Street

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545 (415) 783-6960

TAL

DATE: 4/30/87

LOG NO.: 4659

DATE SAMPLED: 3/31/87

DATE RECEIVED: 3/31/87

CUSTOMER: R. S. Eagan and Company

REQUESTER: Bob Eagan

PROJECT: Roadway Express, 1708 Wood Street, Oakland

Sample Type	Sample	Volatile Hydrocarbons	Benzene	Toluene	Xylene	Oil and Grease
Soil		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	I, Fill, 10,000 gallon gas tank, 13'	< 3	< 0.02	< 0.02	< 0.02	
	II, Vent, 10,000 gallon gas tank, 13'	< 3	< 0.02	< 0.02	< 0.02	
	III, Fill, 2,000 gallon motor oil, 11'					610
	IV, Vent, 2,000 gallon motor oil, 11'					770
Water		mg/l	mg/l	mg/l	mg/l	mg/l
	Gas tank	500	< 0.07	1.3	6.7	
	Motor oil tank					21

Ronald H. Ming Chew

Ronald H. Ming Chew
Supervisory Chemist

RMC:mln

TABLE 2
Summary of CAM 17 Metals in Shallow Soil (≤3 m bgs) (December 2007)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		BM-1	BM-7	BM-8	BM-9
Sample Depth (feet bgs)		8	6	7	5
Date Collected		12/10/2007	12/10/2007	12/10/2007	12/10/2007
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	40	1.0 U	1.0 U	1.0 U	1.0 U
Arsenic	1.6	**5.1**	**3.2**	**5.4**	**2.8**
Barium	1,500	**21**	**34**	**54**	**94**
Beryllium	8	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	7.4	**1.4**	1.0 U	1.0 U	1.0 U
Chromium	750	**44**	**50**	**42**	**31**
Cobalt	80	**14**	**8.0**	**5.3**	**7.7**
Copper	230	**19**	**23**	**36**	**28**
Lead	750	**6.0**	**9.6**	**49**	**22**
Mercury	10	0.050 U	0.050 U	**0.25**	0.050 U
Molybdenum	40	1.0 U	**1.4**	1.0 U	1.0 U
Nickel	150	**65**	**37**	**26**	**25**
Selenium	10	2.0 U	2.0 U	2.0 U	2.0 U
Silver	40	1.0 U	1.0 U	1.0 U	1.0 U
Thallium	16	2.0 U	2.0 U	2.0 U	2.0 U
Vanadium	200	**36**	**41**	**35**	**33**
Zinc	600	**51**	**61**	**100**	**70**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
CAM - California Administrative Manual
ESL - Environmental Screening Level
m - meters
mg/kg - milligrams per kilogram
U - not detected above laboratory reporting limit

Source: *Underground Storage Tank & Oil Water Separator Removal Report* (Burns & McDonnell, 2012)

Table 4
Historical Summary of Total Petroleum Hydrocabons in Soil

YRC Enterprise Services Inc.
Roadway Express Facility
1708 Wood Street
Oakland California

Sample ID	Date Sampled	Depth	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Analytical Reporting Units		(Feet bgs)	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
B-1	24-Jul-97	4	1 U	1 U	---	---	---	---	---	---
B-3	24-Jul-97	6	1 U	240	---	---	---	---	---	---
B-4	24-Jul-97	7	1 U	1 U	---	---	---	---	---	---
B-5	24-Jul-97	3.5	1 U	5.4	---	---	---	---	---	---
B-6	24-Jul-97	5	1 U	1 U	---	---	---	---	---	---
B-7	24-Jul-97	3	1 U	1 U	---	---	---	---	---	---
B-8	24-Jul-97	2	1 U	1 U	---	---	---	---	---	---
MW-3	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-3	6-Sep-00	10	ND	ND	---	---	---	---	---	---
MW-4	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-4	6-Sep-00	10	ND	ND	---	---	---	---	---	---
MW-5	6-Sep-00	5	ND	ND	---	---	---	---	---	---
MW-5	6-Sep-00	10	ND	ND	---	---	---	---	---	---
BM-2	10-Dec-07	5	0.50 U	8.8 Y	86	---	---	---	---	---
BM-2	10-Dec-07	13	0.50 U	5.0 U	---	---	---	---	---	---
BM-6	10-Dec-07	---	---	---	---	---	---	---	---	---
BM-7	10-Dec-07	6	0.50 U	5.0 U	86	---	---	---	---	---
BM-8	10-Dec-07	7	0.50 U	1 U20	1,700	---	---	---	---	---
BM-9	10-Dec-07	5	0.50 U	5.0 U	83	---	---	---	---	---
BM-10	4-Aug-08	5	0.93 U	4.5 SG Y	12 SG	4.6 U	4.6 U	4.6 U	4.6 U	19 U
BM-10	4-Aug-08	24	0.91 U	0.99 U	5.0 U	4.5 U	4.5 U	4.5 U	4.5 U	18 U
BM-11	4-Aug-08	2.6	0.94 U	30 SG Y	860 SG Y	4.7 U	4.7 U	4.7 U	4.7 U	19 U
BM-11	4-Aug-08	11	0.93 U	1.0 U SG	5.0 U	4.6 U	4.6 U	4.6 U	4.6 U	19 U
BM-11	4-Aug-08	20	1.0 U	1.1 SG Y	5.0 U	4.6 U	4.6 U	4.6 U	4.6 U	18 U
BM-12	4-Aug-08	3	0.98 U	65 SG Y	130 SG	4.6 U	4.6 U	4.6 U	4.6 U	18 U
BM-12	5-Aug-08	9.6	0.93 U	1.2 SG Y	10 SG	4.7 U	4.7 U	4.7 U	4.7 U	19 U
BM-12	5-Aug-08	19.6	0.98 U	0.99 U	5.0 U	4.9 U	4.9 U	4.9 U	4.9 U	20 U
BM-13	5-Aug-08	3.6	1.0 U	3.7 SG Y	13 SG	5.2 U	5.2 U	5.2 U	5.2 U	21 U
BM-13	5-Aug-08	21	1 U.1	1.0 U	5.0 U	5.3 U	5.3 U	5.3 U	5.3 U	21 U
BM-14	5-Aug-08	3	1.0 U	56 SG Y	90 SG	5.0 U	5.0 U	5.0 U	5.0 U	20 U
BM-14	5-Aug-08	17.6	0.99 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U
BM-14	5-Aug-08	23.6	0.95 U	0.99 U	5.0 U	4.8 U	4.8 U	4.8 U	4.8 U	19 U
BM-15	5-Aug-08	3.6	1.0 U	45 SG Y	320 SG	5.1 U	5.1 U	5.1 U	5.1 U	20 U
BM-15	5-Aug-08	11	0.98 U	1.3 SG Y	11 SG	4.9 U	4.9 U	4.9 U	4.9 U	20 U
BM-16	5-Aug-08	19	1.0 U	2.4 SG Y	13 SG	5.2 U	5.2 U	5.2 U	5.2 U	21 U
BM-16	5-Aug-08	29	0.99 U	1.0 U SG	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U
BM-17	6-Aug-08	10.6	1.0 U	2.4 SG Y	16 SG	5.0 U	5.0 U	5.0 U	5.0 U	20 U
BM-17	6-Aug-08	23.2	0.97 U	3.1 SG Y	15 SG	4.9 U	4.9 U	4.9 U	4.9 U	19 U
BM-17	6-Aug-08	25	1.0 U	1.3 SG Y	8.2	5.2 U	5.2 U	5.2 U	5.2 U	21 U
BM-18	6-Aug-08	2.6	0.97 U	3.7 SG Y	16 SG	4.9 U	4.9 U	4.9 U	4.9 U	19 U
BM-18	6-Aug-08	8.6	1.0 U	1.0 U SG	5.0 U SG	5.1 U	5.1 U	5.1 U	5.1 U	20 U
BM-18	6-Aug-08	12.6	0.93 U	2.0 SG Y	13 SG	4.7 U	4.7 U	4.7 U	4.7 U	19 U
BM-19	6-Aug-08	7.8	0.98 U	7.6 SG Y	15 SG	4.9 U	4.9 U	4.9 U	4.9 U	20 U
BM-19	6-Aug-08	11	0.98 U	3.7 SG Y	19 SG	4.9 U	4.9 U	4.9 U	4.9 U	20 U
BM-19	6-Aug-08	19	0.97 U	1.0 U SG Y	5.0 U	4.9 U	4.9 U	4.9 U	4.9 U	19 U
BM-19	6-Aug-08	22	0.94 U	1.0 U	5.0 U	4.7 U	4.7 U	4.7 U	4.7 U	19 U

Notes:
mg/Kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ND = Sample not detected above detection limit; unable to find detection limit in prior sampling reports
U = Constituent not detected at or above indicated value
--- = Not sampled/analyzed for this constituent
Boring Locations are indicated on Figures 3 thorugh 7
SG = Result after silica gel clean-up procedure, EPA Method 3630C
Y = Sample exhibits chromatagraphic pattern that does not resemble the standard

Table 3
Summary of Total Petroleum Hydrocarbons and LUFT 5 Metals in Soil
UST and OWS Removal 2011

YRC Enterprise Services Inc.
Roadway Express Facility
1708 Wood Street
Oakland California

Sample ID	Sample Date	Sample Location	Sample Depth (ft bgs)	Total Petroleum Hydrocarbons Gas	Diesel	Motor Oil	BTEX / MTBE Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	LUFT 5 Metals Cadmium	Chromium	Lead	Nickel	Zinc
CA SWRCB SF Bay Region Tier 1 ESLs (Shallow Soils) mg/kg:				180	180	2,500	0.27	9.3	4.7	11	8.4	7.4	750	750	150	600
Oil Water Seperator Area																
OWS-1N3	10/27/2011	North Sidewall	3	0.096 U	69.9	271	0.0044 U	0.0044 U	0.0044 U	0.0087 U	0.0044 U	0.92 U	30.0	57.0	35.0	102
Dup-1 (OWS-1N3)	10/27/2011	North Sidewall	3	0.0536 J	114	453	0.0048 U	0.0048 U	0.0048 U	0.0097 U	0.0048 U	0.93 U	32.3	260	67.1	184
OWS-2NE3	10/27/2011	Northeast Sidewall	3	0.241	**1,420**	2,300	0.460 U	0.460 U	0.460 U	0.920 U	0.460 U	5.0	29.6	171	42.5	**1,710**
OWS-3E3	10/27/2011	East Sidewall	3	0.101	27.9	78.0	0.0040 U	0.0040 U	0.0040 U	0.0081 U	0.0040 U	2.0	30.5	412	76.6	539
OWS-4S3.6	10/27/2011	South Sidewall	3.6	0.070 U	39.9	76.2	0.0034 U	0.0034 U	0.0034 U	0.0069 U	0.0034 U	0.89 U	29.8	184	36.7	155
OWS-5W3	10/27/2011	West Sidwall	3	0.0679 J	54.5	88.9	0.0057 U	0.0057 U	0.0057 U	0.011 U	0.0057 U	0.91 U	32.6	58.8	25.9	51.3
OWS-6F4	10/27/2011	OWS Floor	4	0.604	**628**	510	0.510 U	0.510 U	0.510 U	1.0 U	0.510 U	0.97 U	45.3	70.4	27.2	98.9
OWS-11-3A	11/3/2011	OWS-6F4 Resample	4.6	0.958	10 U	20 U	0.0047 U	0.0047 U	0.0047 U	0.0095 U	0.0047 U	0.97 U	43.8	4.7	22.0	31.5
OWS NEA-3	11/9/2011	OWS-2NE3 Resample	3	0.088 U	7.14 J	16.4 J	0.0044 U	0.0044 U	0.0044 U	0.0088 U	0.0044 U	**12.1**	37.1	59.0	39.3	**1,990**
Oil Water Seperator Clean Out Line																
OWSL-1-4	11/9/2011	Oil Water Line	4	0.140 U	10 U	20 U	0.0068 U	0.0068 U	0.0068 U	0.0014 U	0.0068 U	1.0 U	53.2	6.6	31.9	56.8
OWSL-2-3	11/9/2011	Oil Water Line	3	0.093 U	24.9	14.8 J	0.0046 U	0.0046 U	0.0046 U	0.0093 U	0.0046 U	0.91 U	51.2	28.2	41.6	100
OWSL-3-4	11/9/2011	Oil Water Line	4	0.110 U	9.50 J	10.2 J	0.0057 U	0.0057 U	0.0057 U	0.0011 U	0.0057 U	0.95 U	47.0	21.4	33.6	81.6
OWSL-4-2	11/9/2011	Oil Water Line	2	0.0754 U	53.4	82.1	0.0044 U	0.0044 U	0.0044 U	0.0088 U	0.0044 U	0.99 U	40.0	53.9	43.4	85.0
Sidewalk UST Area																
SW1-E3	11/18/2011	Sidewalk- East sidewall	3	1.100	41.9	196	0.0092 U	0.0092 U	0.0092 U	0.018 U	0.0092 U	0.93 U	28.5	3.2	16.6	28.0
SW2-N5	11/18/2011	Sidewalk-North Sidewall	5	4.800 J	173	75.7	0.240 U	0.240 U	0.240 U	0.490 U	0.240 U	0.93 U	52.4	7.4	61.2	56.1
SW3-W4B	11/18/2011	Sidewalk-NW Sidewall	4	39.800	**206**	40 U	0.420 U	0.420 U	0.420 U	0.840 U	0.420 U	0.89 U	50.6	5.8	54.1	50.8
SW4-W3.6	11/18/2011	Sidewalk-NW Sidewall	3.6	104.000	**5,930**	1,140 J	4.800 U	4.800 U	4.800 U	9.600 U	4.800 U	0.90 U	41.8	197.0	43.8	180

Sample ID	Sample Date	Sample Location	Sample Depth (ft bgs)	Total Petroleum Hydrocarbons Gas	Diesel	Motor Oil	BTEX / MTBE Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	LUFT 5 Metals Cadmium	Chromium	Lead	Nickel	Zinc
CA SWRCB SF Bay Region Tier 1 ESLs (Deep Soils) mg/kg:				180	180	5,000	2.0	9.3	4.7	11	8.4	39	5,000	750	260	5,000
Underground Storage Tank Area																
West-W16	10/31/2011	West UST-West End	16	0.150 U	10 U	20 U	0.0077 U	0.0077 U	0.0077 U	0.0015 U	0.0077 U	0.88 U	51.8	5.6	49.2	44.5
West-E16	10/31/2011	West UST-East End	16	0.110 U	9.9 U	20 U	0.0053 U	0.0053 U	0.0053 U	0.0011 U	0.0053 U	0.89 U	47.9	5.0	45.3	41.0
East-W15.6	10/31/2011	East UST-West End	15.6	0.100 U	9.9 U	20 U	0.0051 U	0.0051 U	0.0051 U	0.0010 U	0.0051 U	0.93 U	49.6	5.3	47.9	43.8
East-E16	10/31/2011	East UST-East End	16	0.110 U	9.9 U	20 U	0.0055 U	0.0055 U	0.0055 U	0.0011 U	0.0055 U	0.90 U	46.3	3.9	37.0	35.7

Stockpiles																
Underground Storage Tank Stockpiles																
West Stock	10/31/2011	West UST	C	0.192	12.6	21.6	0.0069 U	0.0069 U	0.0069 U	0.0014 U	0.0069 U	0.90 U	49.3	11.0	51.9	52.0
East Stock	10/31/2011	East East	C	0.100 U	9.8 U	20 U	0.0052 U	0.0052 U	0.0052 U	0.0010 U	0.0052 U	0.94 U	50.5	6.3	47.8	44.5
Sidewalk Stockpile																
Stock SW	11/18/2011	Sidewalk Stockpile	C	68.300	**3,790**	526 J	1.900 U	1.900 U	1.900 U	3.900 U	1.900 U	0.92 U	0.92	1.8	0.92	1.8

Notes:
All soil results are in milligrams per kilogram: mg/kg

mg/kg	milligrams per kilogram
ft bgs	Feet below ground surface
Shallow soil	≤3m (meters)
Deep soil	≥3m (meters)

TABLE 3
Summary of CAM 17 Metals in Shallow Soil (≤3 m bgs) (February 2011)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16
Sample Depth (feet bgs)		2.5 - 3.0	2.5 - 3.0	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.5 - 3.0	1.5 - 2.0	2.0 - 2.5	2.0 - 2.5	1.5 - 2.0	14.5 - 16	2.0 - 2.5	2.0 - 2.5
Date Collected		2/15/2011	2/15/2011	2/15/2011	2/15/2011	2/15/2011	2/15/2011	2/16/2011	2/17/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/17/2011
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	1.6	**11**	**4.8**	**4.4**	**8.6**	**5**	3.8 U	**4.5**	3.9 U	**7.8**	**5.9**	**4.3**	4.2 U	2.0 U	**4.2**
Barium	1,500	**1,000**	**77**	**21**	**13**	**34**	**85**	**120**	**160**	**76**	**270**	**110**	**87**	**110**	**130**
Beryllium	8	0.38 U	0.38 U	0.42 U	0.42 U	0.41 U	0.38 U	0.4 U	0.39 U	0.42 U	0.38 U	0.42 U	0.42 U	0.39 U	0.4 U
Cadmium	7.4	**3.3**	0.48 U	0.53 U	0.52 U	0.52 U	0.48 U	0.5 U	0.49 U	**1.1**	**1.1**	0.53 U	0.53 U	0.49 U	0.5 U
Chromium	750	**49**	**39**	**40**	**42**	**48**	**49**	**81**	**59**	**39**	**43**	**45**	**26**	**46**	**35**
Cobalt	80	**10**	**5.5**	**5**	**3.7**	**5.1**	**4.4**	**10**	**7.7**	**7.7**	**9**	**5.8**	**4**	**7.5**	**6**
Copper	230	**270**	**23**	**16**	**21**	**26**	**18**	**23**	**14**	**36**	**27**	**22**	6.3 U	**28**	**41**
Lead	750	**780**	**44**	**18**	**3.2**	**8.5**	**19**	**15**	**9.9**	**420**	**1,300**	**110**	**4.4**	**250**	**340**
Molybdenum	40	1.9 U	1.9 U	2.1 U	3.4	2.1 U	1.9 U	2.0 U	2.0 U	2.1 U	1.9 U	2.1 U	2.1 U	2.0 U	2.0 U
Nickel	150	**60**	**31**	**31**	**24**	**33**	**34**	**100**	**59**	**44**	**37**	**32**	**18**	**34**	**29**
Silver	40	**1**	0.95 U	1.1 U	1.0 U	1.0 U	0.95 U	1.0 U	0.98 U	1.0 U	0.95 U	1.1 U	1.1 U	0.98 U	0.99 U
Vanadium	200	**25**	**32**	**29**	**33**	**35**	**34**	**31**	**20**	**17**	**28**	**34**	**16**	**28**	**26**
Zinc	600	**1,200**	**120**	**48**	**100**	**130**	**47**	**60**	**36**	**210**	**290**	**100**	**12**	**100**	**250**
Mercury	10	**0.67**	**0.097**	**0.037**	**0.12**	**0.15**	**0.043**	**0.062**	**1.1**	**0.27**	**0.1**	**0.043**	**0.033**	**0.38**	**0.18**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
CAM - California Administrative Manual
ESL - Environmental Screening Level
m - meters
mg/kg - milligrams per kilogram
U - not detected above laboratory reporting limit

Source: *Draft Phase II EDA - Limited Soil and Groundwater Investigation* (ACC, 2011)

TABLE 4
Summary of LUFT 5 Metals in Shallow Soil (≤3 m bgs) (October-November 2011)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		OWS-1N3	Dup-1 (OWS-1N3)	OWS-2NE3	OWS-3E3	OWS-4S3.6	OWS-5W3
Sample Depth (feet bgs)		3	3	3	3	3.6	3
Date Collected		10/27/2011	10/27/2011	10/27/2011	10/27/2011	10/27/2011	10/27/2011
Comments		North Sidewall	North Sidewall	Northeast Sidewall	East Sidewall	South Sidewall	West Sidwall
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	7.4	0.92 U	0.93 U	**5.0**	**2.0**	0.89 U	0.91 U
Chromium	750	**30.0**	**32.3**	**29.6**	**30.5**	**29.8**	**32.6**
Lead	750	**57.0**	**260**	**171**	**412**	**184**	**58.8**
Nickel	150	**35.0**	**67.1**	**42.5**	**76.6**	**36.7**	**25.9**
Zinc	600	**102**	**184**	**1,710**	**539**	**155**	**51.3**

Boring ID		OWS-6F4	OWS-11-3A	OWS NEA-3	OWSL-1-4	OWSL-2-3	OWSL-3-4
Sample Depth (feet bgs)		4	4.6	3	4	3	4
Date Collected		10/27/2011	11/3/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011
Comments		OWS Floor	OWS-6F4 Resample	OWS-2NE3 Resample	Oil Water Line	Oil Water Line	Oil Water Line
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	7.4	0.97 U	0.97 U	**12.1**	1.0 U	0.91 U	0.95 U
Chromium	750	**45.3**	**43.8**	**37.1**	**53.2**	**51.2**	**47.0**
Lead	750	**70.4**	**4.7**	**59.0**	**6.6**	**28.2**	**21.4**
Nickel	150	**27.2**	**22.0**	**39.3**	**31.9**	**41.6**	**33.6**
Zinc	600	**98.9**	**31.5**	**1,990**	**56.8**	**100**	**81.6**

Boring ID		OWSL-4-2	SW1-E3	SW2-N5	SW3-W4B	SW4-W3.6
Sample Depth (feet bgs)		2	3	5	4	3.6
Date Collected		11/9/2011	11/18/2011	11/18/2011	11/18/2011	11/18/2011
Comments		Oil Water Line	Sidewalk- East sidewall	Sidewalk-North Sidewall	Sidewalk-NW Sidewall	Sidewalk-NW Sidewall
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	7.4	0.99 U	0.93 U	0.93 U	0.89 U	0.90 U
Chromium	750	**40.0**	**28.5**	**52.4**	**50.6**	**41.8**
Lead	750	**53.9**	**3.2**	**7.4**	**5.8**	**197.0**
Nickel	150	**43.4**	**16.6**	**61.2**	**54.1**	**43.8**
Zinc	600	**85.0**	**28.0**	**56.1**	**50.8**	**180**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
ESL - Environmental Screening Level
LUFT - Leaking Underground Fuel Tanks
m - meters
mg/kg - milligrams per kilogram
U - not detected above laboratory reporting limit

Source: *Underground Storage Tank & Oil Water Separator Removal Report* (Burns & McDonnell, 2012)

TABLE 5
Summary of LUFT 5 Metals in Deep Soil (≥3 m bgs) (October 2011)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		West-W16	West-E16	East-W15.6	East-E16
Sample Depth (feet bgs)		16	16	15.6	16
Date Collected		10/31/2011	10/31/2011	10/31/2011	10/31/2011
Comments		West UST-West End	West UST-East End	East UST-West End	East UST-East End
Metal	California Tier 1 ESL (mg/kg)	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	39	0.88 U	0.89 U	0.93 U	0.90 U
Chromium	5,000	**51.8**	**47.9**	**49.6**	**46.3**
Lead	750	**5.6**	**5**	**5.3**	**3.9**
Nickel	260	**49.2**	**45.3**	**47.9**	**37**
Zinc	5,000	**44.5**	**41**	**43.8**	**35.7**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
ESL - Environmental Screening Level
LUFT - Leaking Underground Fuel Tanks
m - meters
mg/kg - milligrams per kilogram
U - not detected above laboratory reporting limit

Source: *Underground Storage Tank & Oil Water Separator Removal Report* (Burns & McDonnell, 2012)

TABLE 1A
Soil Analytical Summary Table Title 22 Metals (CAM 17)
1708 Wood Street
Oakland, California

Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations mg/kg													
			Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Silver	Vanadium	Mercury	Zinc
SB-1 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	11	1,000	<0.38	3.3	49	10	270	780	<1.9	60	1	25	0.67	1,200
SB-2 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	4.8	77	<0.38	<0.48	39	5.5	23	44	<1.9	31	<0.95	32	0.097	120
SB-3 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	4.4	21	<0.42	<0.53	40	5	16	18	<2.1	31	<1.1	29	0.037	48
SB-4 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	8.6	13	<0.42	<0.52	42	3.7	21	3.2	3.4	24	<1.0	33	0.120	100
SB-5 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	5.0	34	<0.41	<0.52	48	5.1	26	8.5	<2.1	33	<1.0	35	0.150	130
SB-6 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	<3.8	85	<0.38	<0.48	49	4.4	18	19	<1.9	34	<0.95	34	0.043	47
SB-7 (2.5-3.0)	16-Feb-11	Soil (mg/kg)	4.5	120	<0.40	<0.50	81	10	23	15	<2.0	100	<1.0	31	0.062	60
SB-8 (1.5-2.0)	17-Feb-11	Soil (mg/kg)	<3.9	160	<0.39	<0.49	59	7.7	14	9.9	<2.0	59	<0.98	20	1.1	36
SB-10	16-Feb-11	Soil (mg/kg)	No Soil Sample Collected													
SB-11 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	7.8	76	<0.42	1.1	39	7.7	36.0	420	<2.1	44	<1.0	17	0.270	210
SB-12 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	5.9	270	<0.38	1.1	43	9	27	1,300	<1.9	37	<0.95	28	0.100	290
SB-13 (1.5-2.0)	16-Feb-11	Soil (mg/kg)	4.3	110	<0.42	<0.53	45	5.8	22	110	<2.1	32	<1.1	34	0.043	100
SB-14 (14.5-16)	16-Feb-11	Soil (mg/kg)	<4.2	87	<0.42	<0.53	26	4	<6.3	4.4	<2.1	18	<1.1	16	0.033	12
SB-15 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	<2.0	110	<0.39	<0.49	46	7.5	28	250	<2.0	34	<0.98	28	0.38	100
SB-16 (2.0-2.5)	17-Feb-11	Soil (mg/kg)	4.2	130	<0.40	<0.50	35	6	41	340	<2.0	29	<0.99	26	0.18	250
SB-17	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected													
SB-18	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected													
SB-19	17-Feb-11	Soil (mg/kg)	Not Analyzed													
**ESLs - Residential (unrestricted site usage)	Shallow Soil (≤ 3 m)	Soil (mg/kg)	0.39	750	4	1.7	NA	40	230	200	40	150	20	16	1.3	600
	Deep Soil (>3 m)	Soil (mg/kg)	15	2,500	8	39	2,500	94	2,500	750	2,500	260	2,500	770	58.0	2,500
**ESLs - Commercial site usage	Shallow Soil (≤ 3 m)	Soil (mg/kg)	1.6	1,300	98	7.4	NA	80	230	750	40	150	40	200	10	600
	Deep Soil (>3 m)	Soil (mg/kg)	15	2,600	98	39	5,000	94	5,000	750	3,900	260	3,900	770	58	5,000
PRG's	Residential	Soil (mg/kg)	0.39	15,000	160	70	230	23	3,100	400	390	1,500	390	390	4	23,000
	Commercial	Soil (mg/kg)	1.6	190,000	2,000	800	1,400	300	41,000	800	5,100	20,000	5,100	5,200	24	310,000
California Human Health Screening Levels (CHHSLS)	Residential	Soil (mg/kg)	0.07	5,200	150	1.7	100,000	660	3,000	80	380	1,600	380	530	18	23,000
	Commercial	Soil (mg/kg)	0.24	63,000	1,700	7.5	100,000	3,200	38,000	320	4,800	16,000	4,800	6,700	180	100,000
*San Francsico Bay Area Background Levels		Soil (mg/kg)	16-65	500	<1	N/A	100-150	15-30	50-70	30-70	<3	30-70	N/A	150-200	120-190	0.082-0.13

Notes

**ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water

PRGs=EPA Region 9 Preliminary Remediation Goal (April 2009)

CHHSLs = California Human Health Screening Levels for Soil, Cal EPA (January 2005) (Lead Revision September 2009)

Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

TABLE 1B
Soil Analytical Summary Table
Petroleum Constituents PCBs
1708 Wood Street
Oakland, California

Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations mg/kg												
			TPHg	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Acetone	cis-1,2-Dichloroethene	Chloride	Total Oil and Grease	PCBs
SB-1 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	<0.26	9.7	<49	<0.0052	<0.0052	<0.0052	<0.01	<0.0052	NA	NA	56	510	NA
SB-2 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	<0.28	130	49	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	NA	NA	15	540	NA
SB-3 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	<0.28	21	61	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	NA	NA	94	1,000	NA
SB-4 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	NA	37	84	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	NA	NA	NA
SB-5 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	NA	220	420	<0.0067	<0.0067	<0.0067	<0.013	<0.0067	<0.0067	<0.0067	NA	NA	NA
SB-6 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	NA	2,700	9,200	<0.0050	<0.0050	<0.0050	<0.01	<0.0050	<0.0050	<0.0050	NA	NA	NA
SB-7 (2.5-3.0)	16-Feb-11	Soil (mg/kg)	NA	1.7	<50	<0.01	<0.01	<0.01	<0.02	<0.01	<0.050	<0.005	NA	NA	NA
SB-8 (1.5-2.0)	17-Feb-11	Soil (mg/kg)	<0.26	2,400	6,800	<0.0052	<0.0052	<0.0052	<0.01	<0.0052	<0.052	0.03	NA	NA	NA
SB-10	16-Feb-11	Soil (mg/kg)	No Soil Sample Collected												
SB-11 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	310	8,700	3,400	<0.013	<0.013	<0.013	<0.027	<0.013	NA	<0.013	NA	20,000	NA
SB-12 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	<0.34	19	54	<0.0068	<0.0068	<0.0068	<0.014	<0.0068	NA	<0.0068	NA	940	NA
SB-13 (1.5-2.0)	16-Feb-11	Soil (mg/kg)	<0.27	2.3	<50	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	NA	<0.0055	NA	<490	NA
SB-14 (14.5-16)	16-Feb-11	Soil (mg/kg)	<0.22	1.9	<50	<0.0045	<0.0045	<0.0045	<0.0089	<0.0045	NA	<0.0045	NA	<490	NA
SB-15 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	<0.27	45	240	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.053	<0.0053	NA	NA	NA
SB-16 (2.0-2.5)	17-Feb-11	Soil (mg/kg)	<0.38	290	2,200	<0.0077	<0.0077	<0.0077	<0.015	<0.0077	0.29	<0.0077	NA	NA	NA
SB-17	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected												
SB-18	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected												
SB-19	17-Feb-11	Soil (mg/kg)	Not Analyzed												<0.50
**ESLs - Residential (unrestricted site usage)	Shallow Soil (≤ 3 m)	Soil (mg/kg)	83	83	83	0.044	2.9	2.3	2.3	0.023	0.5	0.19	NA	NA	0.22
	Deep Soil (>3 m)	Soil (mg/kg)	83	83	83	0.044	2.9	3.3	2.3	0.023	0.5	0.2	NA	NA	6.3
**ESLs - Commercial site usage	Shallow Soil (≤ 3 m)	Soil (mg/kg)	83	83	83	0.044	2.9	3.3	2.3	0.023	0.5	0.19	NA	NA	0.74
	Deep Soil (>3 m)	Soil (mg/kg)	83	83	83	0.044	2.9	3.3	2.3	0.023	0.5	0.19	NA	NA	6.3
PRG's	Residential	Soil (mg/kg)	NA	NA	NA	1.10	5,000	5.7	600	39	61,000	780	NA	NA	NA
	Commercial	Soil (mg/kg)	NA	NA	NA	5.6	46,000	29	2,600	190	610,000	10,000	NA	NA	NA
California Human Health Screening Levels (CHHSLS)	Residential	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Commercial	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes

***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water*

PRGs=EPA Region 9 Preliminary Remediation Goal (April 2009)

CHHSLs = California Human Health Screening Levels for Soil, Cal EPA (January 2005) (Lead Revision September 2009)

Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

TABLE 1C
Soil Analytical Summary Table
PNAs
1708 Wood Street
Oakland, California

Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations mg/kg															
			Naphthalene	Acenaphthene	Acenaphthylene	Fluorene	Phenanthrene	Anthracene	Benzo[a]anthracene	Chrysene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Indeno[1,2,3-cd]pyrene	Fluoranthene	Pyrene	Dibenzo(a,h)anthracene
SB-1 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	0.017	<0.0099	0.066	0.02	0.26	0.094	0.3	0.28	0.27	0.27	0.11	0.12	0.099	0.38	0.56	0.037
SB-2 (2.5-3.0)	15-Feb-11	Soil (mg/kg)	<0.00017	<0.00017	0.0053	<0.00017	0.011	0.006	0.0073	0.0063	0.0092	0.0085	<0.00017	0.007	<0.00017	0.012	0.016	<0.00017
SB-3 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098
SB-4 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	0.029	0.058	0.022	0.081	0.67	0.2	0.23	0.2	0.18	0.21	0.084	0.089	0.068	0.53	0.57	0.017
SB-5 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	<0.0005	<0.0005	0.0057	<0.0005	0.052	0.013	0.082	0.1	0.16	0.18	0.054	0.14	0.09	0.15	0.25	0.017
SB-6 (2.0-2.5)	15-Feb-11	Soil (mg/kg)	<0.0005	<0.0005	<0.0005	<0.0005	0.12	<0.0005	0.055	0.083	0.058	0.1	<0.0005	<0.0005	<0.0005	0.065	0.099	<0.0005
SB-7 (2.5-3.0)	16-Feb-11	Soil (mg/kg)	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
SB-8 (1.5-2.0)	17-Feb-11	Soil (mg/kg)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.45	0.76	0.35	0.45	<0.25	<0.25	<0.25	0.41	0.68	<0.25
SB-10	16-Feb-11	Soil (mg/kg)	No Soil Sample Collected															
SB-11 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-13 (1.5-2.0)	16-Feb-11	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-14 (14.5-16)	16-Feb-11	Soil (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-15 (2.0-2.5)	16-Feb-11	Soil (mg/kg)	<0.50	<0.50	0.17	0.078	0.9	0.15	0.75	0.85	1.0	1.1	0.49	0.48	0.4	1.4	2.0	0.1
SB-16 (2.0-2.5)	17-Feb-11	Soil (mg/kg)	<0.50	<0.50	0.052	0.22	<0.50	<0.50	0.22	0.28	0.34	0.45	0.17	0.13	0.098	0.39	0.62	<0.50
SB-17	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected															
SB-18	17-Feb-11	Soil (mg/kg)	No Soil Sample Collected															
SB-19	17-Feb-11	Soil (mg/kg)	Not Analzed															
**ESLs - Residential (unrestricted site usage)	Shallow Soil (< 3 m)	Soil (mg/kg)	1.3	19	13	8.9	11	2.8	0.380	23	0.038	0.38	0.38	27	0.62	40	85	0.06
	Deep Soil (>3 m)	Soil (mg/kg)	4.8	19	13	8.9	11	2.8	12	23	1.5	1.5	1.5	27	13	60	85	2.4
**ESLs - Commercial site usage	Shallow Soil (< 3 m)	Soil (mg/kg)	2.8	19	13	8.9	11	2.8	1.3	23	0.130	1.3	1.3	27	2.1	40	85	0.21
	Deep Soil (>3 m)	Soil (mg/kg)	5	19	13	8.9	11	2.8	12	23	1.5	1.5	1.5	27	13	60	85	2.4
PRG's	Residential	Soil (mg/kg)	3.9	3,450	NA	2,300	NA	17,000	0.150	15	0.02	0.15	1.50	NA	0.15	2,300	1,700	0.02
	Commercial	Soil (mg/kg)	20	33,000	NA	22,000	NA	170,000	2.1	210	0.21	2.1	21	NA	2.1	22,000	17,000	21

Notes

***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water*

PRGs=EPA Region 9 Preliminary Remediation Goal (April 2009)

Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

TABLE 1D
Soil Analytical Summary Table
March 18, 2011
1708 Wood Street
Oakland, California

Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations mg/kg																						
			TPH as Diesel	TPH as Motor Oil	TPH as Gasoline	Lead	Acetone	Carbon Disulfide	Naphthalene	Acenaphthene	Acenaphthylene	Fluorene	Phenanthrene	Anthracene	Benzo[a]anthracene	Chrysene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Indeno[1,2,3-cd]pyrene	Fluoranthene	Pyrene	Dibenzo[a,h]anthracene
SB-9 (1.0-1-5)	18-Mar-11	Soil (mg/kg)	6.1	<50	<0.24	160											Not Analyzed								
SB-9 (7.5-8.0)	18-Mar-11	Soil (mg/kg)	<0.99	<50	<0.21	4.3											Not Analyzed								
SB-20 (1.0-1-5)	18-Mar-11	Soil (mg/kg)	Not Analyzed			50											Not Analyzed								
SB-20 (11.5-12)	18-Mar-11	Soil (mg/kg)	<1.0	<50	Not Analyzed	6.7	0.05	0.011									Not Analyzed								
SB-21 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	Not Analyzed			14,000											Not Analyzed								
SB-21 (3.5-4.0)	18-Mar-11	Soil (mg/kg)	Not Analyzed			690											Not Analyzed								
SB-22 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	370	2,100	0.29	4,800											Not Analyzed								
SB-22 (7.5-8.0)	18-Mar-11	Soil (mg/kg)	2	<49	<0.23	6.6											Not Analyzed								
SB-23 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	57	280	<0.25	30											Not Analyzed								
SB-23 (7.5-8.0)	18-Mar-11	Soil (mg/kg)	1.6	<49	<0.24	6.4											Not Analyzed								
SB-24 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	55	110	Not Analyzed	2,100	Not Analyzed		<0.099	<0.099	0.11	<0.099	0.54	0.16	0.38	0.42	0.48	0.54	0.24	0.23	0.19	0.74	1.1	<0.099
SB-24 (11.5-12)	18-Mar-11	Soil (mg/kg)	<1.0	<50	Not Analyzed	3.2	Not Analyzed		<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-25 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	8	<49	Not Analyzed	110	Not Analyzed		<0.0049	<0.0049	<0.0049	<0.0049	0.027	0.0064	0.038	0.042	0.039	0.057	0.025	0.025	0.021	0.065	0.072	0.0066
SB-25 (11.5-12)	18-Mar-11	Soil (mg/kg)	1.1	<49	Not Analyzed	4	Not Analyzed		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-26 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	25	60	Not Analyzed	100	Not Analyzed		<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.015	<0.0099	<0.0099	<0.0099	0.011	0.014	<0.0099
SB-26 (11.5-12)	18-Mar-11	Soil (mg/kg)	<0.99	<49	Not Analyzed	3.6	Not Analyzed		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-27 (1.0-1.5)	18-Mar-11	Soil (mg/kg)	80	170	Not Analyzed	160	Not Analyzed		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-27 (11.5-12)	18-Mar-11	Soil (mg/kg)	<1.0	<50	Not Analyzed	3	Not Analyzed		<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
**ESLs - Residential (unrestricted site usage)	Shallow Soil (≤ 3 m)	Soil (mg/kg)	83	83	83	200	0.5	N/A	1.3	19	13	8.9	11	2.8	0.380	23	0.038	0.38	0.38	27	0.62	40	85	0.06
	Deep Soil (>3 m)	Soil (mg/kg)	83	83	83	750	0.5	N/A	4.8	19	13	8.9	11	2.8	12	23	1.5	1.5	1.5	27	13	60	85	2.4
**ESLs - Commercial site usage	Shallow Soil (< 3 m)	Soil (mg/kg)	83	83	83	750	0.5	N/A	2.8	19	13	8.9	11	2.8	1.3	23	0.130	1.3	1.3	27	2.1	40	85	0.21
	Deep Soil (>3 m)	Soil (mg/kg)	83	83	83	750	0.5	N/A	5	19	13	8.9	11	2.8	12	23	1.5	1.5	1.5	27	13	60	85	2.4
PRG's	Residential	Soil (mg/kg)	NA	NA	NA	400	61,000	820	3.6	3,400	NA	2,300	NA	17,000	0.15	15	0.02	0.15	1.5	NA	0.15	2,300	1,700	0.02
	Commercial	Soil (mg/kg)	NA	NA	NA	800	610,000	3700	18	33,000	NA	23,000	NA	170,000	2.1	210	0.21	2.1	21	NA	2.1	22,000	17,000	0.21
California Human Health Screening Levels (CHHSLS)	Residential	Soil (mg/kg)	NA	NA	NA	80	NA	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Commercial	Soil (mg/kg)	NA	NA	NA	320	NA	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
*San Francisco Bay Area Background Levels		Soil (mg/kg)	NA	NA	NA	30-70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes
"ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water
PRGs=EPA Region 9 Preliminary Remediation Goal (April 2009)
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

Entech Analytical Labs, Inc.

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-009 **Sample ID: BM-7-6** **Matrix:** Solid **Sample Date:** 12/10/2007 2:30 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-009 **Sample ID: BM-7-6** **Matrix:** Solid **Sample Date:** 12/10/2007 2:30 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.5	60 - 130
Dibromofluoromethane	113	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: EricKum
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-010 **Sample ID: BM-8-7** **Matrix:** Solid **Sample Date:** 12/10/2007 2:15 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetone	**110**		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-010 **Sample ID: BM-8-7** **Matrix:** Solid **Sample Date:** 12/10/2007 2:15 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.2	60 - 130
Dibromofluoromethane	119	60 - 130
Toluene-d8	98.5	60 - 130

Analyzed by: EricKum
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-011 **Sample ID: BM-9-5** **Matrix:** Solid **Sample Date:** 12/10/2007 1:55 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212

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ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-011 **Sample ID: BM-9-5** **Matrix:** Solid **Sample Date:** 12/10/2007 1:55 PM

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	12/12/2007	SM3071212
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	12/12/2007	SM3071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	108	60 - 130
Toluene-d8	98.2	60 - 130

Analyzed by: EricKum
Reviewed by: MaiChiTu

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D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
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Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-003 **Sample ID: BM-1-8** **Matrix:** Solid **Sample Date:** 12/10/2007 10:36 AM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,4,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,5,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,5-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,6-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dimethylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrophenol	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrotoluene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,6-Dinitrotoluene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chloronaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chlorophenol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitrophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3&4-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3,3'-Dichlorobenzidine	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4,6-Dinitro-2-methylphenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Bromophenyl Phenyl Ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloro-3-methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chlorophenyl-phenylether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitrophenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Aniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Azobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(b)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(g,h,i)perylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(k)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzoic Acid	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzyl Alcohol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

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ND = Not Detected at or above the Detection Limit.
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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-003 **Sample ID: BM-1-8** **Matrix:** Solid **Sample Date:** 12/10/2007 10:36 AM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis-(2-Chloroethyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Chloroisopropyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)adipate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)phthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Butylbenzylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Carbazole	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Chrysene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-butylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-octylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzo(a,h)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzofuran	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dimethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diphenylamine	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluorene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobutadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorocyclopentadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachloroethane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Indeno(1,2,3-cd)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Isophorone	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitroso-di-n-propylamine	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitrosodimethylamine	ND		1.0	5.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Naphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Nitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methyl-2-pyrrolidinone (NMP)	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pentachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenanthrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyrene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyridine	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	62.4	30 - 100
2-Fluorobiphenyl	44.2	20 - 106
2-Fluorophenol	37.8	20 - 100
Nitrobenzene-d5	37.1	20 - 100
Phenol-d6	47.1	20 - 100
p-Terphenyl-d14	79.0	55 - 130

Analyzed by: Lyu
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-009 **Sample ID: BM-7-6** **Matrix:** Solid **Sample Date:** 12/10/2007 2:30 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,4,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,5,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,5-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,6-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dimethylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrophenol	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrotoluene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,6-Dinitrotoluene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chloronaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chlorophenol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitrophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3&4-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3,3'-Dichlorobenzidine	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4,6-Dinitro-2-methylphenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Bromophenyl Phenyl Ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloro-3-methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chlorophenyl-phenylether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitrophenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Aniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Azobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(b)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(g,h,i)perylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(k)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzoic Acid	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzyl Alcohol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-009 **Sample ID: BM-7-6** **Matrix:** Solid **Sample Date:** 12/10/2007 2:30 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis-(2-Chloroethyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Chloroisopropyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)adipate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)phthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Butylbenzylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Carbazole	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Chrysene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-butylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-octylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzo(a,h)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzofuran	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dimethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diphenylamine	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluorene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobutadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorocyclopentadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachloroethane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Indeno(1,2,3-cd)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Isophorone	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitroso-di-n-propylamine	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitrosodimethylamine	ND		1.0	5.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Naphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Nitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methyl-2-pyrrolidinone (NMP)	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pentachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenanthrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyrene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyridine	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	58.8	30 - 100
2-Fluorobiphenyl	41.0	20 - 106
2-Fluorophenol	32.7	20 - 100
Nitrobenzene-d5	34.7	20 - 100
Phenol-d6	34.8	20 - 100
p-Terphenyl-d14	82.2	55 - 130

Analyzed by: Lyu
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-010 **Sample ID: BM-8-7** **Matrix:** Solid **Sample Date:** 12/10/2007 2:15 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,4,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,5,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,5-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,6-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dimethylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrophenol	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrotoluene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,6-Dinitrotoluene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chloronaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chlorophenol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitrophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3&4-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3,3'-Dichlorobenzidine	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4,6-Dinitro-2-methylphenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Bromophenyl Phenyl Ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloro-3-methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chlorophenyl-phenylether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitrophenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Aniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Azobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(b)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(g,h,i)perylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(k)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzoic Acid	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzyl Alcohol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-010 **Sample ID:** BM-8-7 **Matrix:** Solid **Sample Date:** 12/10/2007 2:15 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis-(2-Chloroethyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Chloroisopropyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)adipate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)phthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Butylbenzylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Carbazole	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Chrysene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-octylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzo(a,h)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzofuran	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dimethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diphenylamine	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluorene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobutadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorocyclopentadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachloroethane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Indeno(1,2,3-cd)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Isophorone	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitroso-di-n-propylamine	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitrosodimethylamine	ND		1.0	5.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Naphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Nitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methyl-2-pyrrolidinone (NMP)	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pentachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenanthrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyrene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyridine	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	62.7	30 - 100
2-Fluorobiphenyl	50.5	20 - 106
2-Fluorophenol	45.7	20 - 100
Nitrobenzene-d5	32.6	20 - 100
Phenol-d6	46.2	20 - 100
p-Terphenyl-d14	68.9	55 - 130

Analyzed by: Lyu
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-011 **Sample ID: BM-9-5** **Matrix:** Solid **Sample Date:** 12/10/2007 1:55 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,2-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,3-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dichlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1,4-Dinitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,4,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,3,5,6-Tetrachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,5-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4,6-Trichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dichlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dimethylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrophenol	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,4-Dinitrotoluene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2,6-Dinitrotoluene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chloronaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Chlorophenol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylnaphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
2-Nitrophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3&4-Methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3,3'-Dichlorobenzidine	ND		1.0	2.5	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
3-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4,6-Dinitro-2-methylphenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Bromophenyl Phenyl Ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloro-3-methylphenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chloroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Chlorophenyl-phenylether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitroaniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
4-Nitrophenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Acenaphthylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Aniline	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Azobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(a)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(b)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(g,h,i)perylene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzo(k)fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzoic Acid	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Benzyl Alcohol	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-011 **Sample ID: BM-9-5** **Matrix:** Solid **Sample Date:** 12/10/2007 1:55 PM

SVOCs: EPA 3545A / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis-(2-Chloroethyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Chloroisopropyl)ether	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)adipate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
bis(2-Ethylhexyl)phthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Butylbenzylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Carbazole	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Chrysene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-butylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Di-n-octylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzo(a,h)anthracene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dibenzofuran	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Dimethylphthalate	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Diphenylamine	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluoranthene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Fluorene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorobutadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachlorocyclopentadiene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Hexachloroethane	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Indeno(1,2,3-cd)pyrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Isophorone	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitroso-di-n-propylamine	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
N-Nitrosodimethylamine	ND		1.0	5.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Naphthalene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Nitrobenzene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
1-Methyl-2-pyrrolidinone (NMP)	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pentachlorophenol	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenanthrene	ND		1.0	0.50	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Phenol	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyrene	ND		1.0	1.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211
Pyridine	ND		1.0	2.0	mg/Kg	12/11/2007	SVS071211	12/12/2007	SVS071211

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	56.8	30 - 100
2-Fluorobiphenyl	46.4	20 - 106
2-Fluorophenol	40.0	20 - 100
Nitrobenzene-d5	43.3	20 - 100
Phenol-d6	42.5	20 - 100
p-Terphenyl-d14	104	55 - 130

Analyzed by: Lyu
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Table 1
Well Construction Details

YRC Enterprise Services Inc.
Roadway Express Facility
1708 Wood Street
Oakland California

Well ID	Installation Date	Casing Diameter (Inches)	Casing Elevation ft. MSL	Construction Depth ft. bgs	Screened Interval ft. bgs	Comments
MW-1	March 1987	4	unknown	10	0.5-10	Well Destroyed August 2008
MW-2	March 1987	4	9.89	9.5	0.5-9.5	Well Destroyed August 2008
MW-3	September 2000	2	10.11	30	10-30	Deep Zone
MW-4	September 2000	2	9.52	30	10-30	Deep Zone
MW-5	September 2000	2	9.97	30	10-30	Deep Zone
MW-6	February 2009	1	10.13	10	5-10	Shallow Zone
MW-7	February 2009	1	9.93	10	5-10	Shallow Zone
MW-8	February 2009	1	9.83	10	5-10	Shallow Zone

ft. MSl Elevation in feet above mean sea level
ft. bgs Depth in feet below ground surface

Notes:
- Construction depth and screened intervals for MW-3, MW-4, and MW-5 based on boring logs located in the *Additional Groundwater Investigation Report by One Environment, 2001*
- Casing elevation for MW-2, MW-3, MW-4, and MW-5 resurveyed by Luk and Associates on December 20, 2007
- Casing elevation for MW-6, MW-7, and MW-8 surveyed by Luk and Associates on March 3, 2009

- In August 2008, Burns & McDonnell destroyed monitoring wells MW-1 and MW-2; these wells were constructed without a proper sanitary seal and posed a risk as a pathway to the subsurface for contaminants.

TABLE 2

Groundwater Elevations
USF Roadway Express Facility
1708 Wood Street
Oakland, California

Well ID	Date Measured	Total Depth	Depth to Water	Groundwater Elevation
		Feet (1)	Feet (1)	Feet (2)
MW-1	*Well Abandoned August 2008*			
MW-2	17-Dec-07	9.2	1.56	8.33
	28-Mar-08	9.2	1.03	8.86
	2-Jun-08	9.2	1.44	8.45
	Well Abandoned August 2008			
MW-3	22-Mar-07	29.4	4.04	6.07
	17-Dec-07	29.4	4.40	5.71
	28-Mar-08	29.4	4.12	5.99
	2-Jun-08	29.5	4.35	5.76
	10-Sep-08	29.5	4.48	5.63
MW-4	22-Mar-07	29.5	3.25	6.27
	17-Dec-07	29.5	3.66	5.86
	28-Mar-08	29.5	3.32	6.20
	2-Jun-08	29.5	3.56	5.96
	10-Sep-08	29.5	3.91	5.61
MW-5	22-Mar-07	29.2	3.73	6.24
	17-Dec-07	29.2	4.11	5.86
	28-Mar-08	29.2	3.82	6.15
	2-Jun-08	29.5	4.05	5.92
	10-Sep-08	29.5	3.45	6.52

1 - Measured depth in feet below top of casing
2 - Elevation in feet above mean sea level

TABLE 3

Monitoring Well Groundwater Summary
Total Petroleum Hydrocarbons in Groundwater
USF Roadway Express Facility
1708 Wood Street
Oakland, California

Well ID	Date Sampled	TPH-d	TPH-g	Total BTEX	MTBE	Total Oil & Grease	TPH-mo
Analytical Reporting Units		µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
MW-1	24-Jul-97	1,200	<50	---	---	1.4	---
	Well Abandoned August 2008						
MW-2	24-Jul-97	940	<50	---	---	6.2	---
	17-Dec-07	140	---	<2.0	---	<5.0	---
	28-Mar-08	180* Y	<50	<2.5	<0.5	---	<300*
	3-Jun-08	150*	<50	<2.5	<2.0	---	<300*
	Well Abandoned August 2008						
MW-3	6-Sep-00	65.9	ND	---	---	ND	---
	22-Mar-07	<50	<50	---	<0.5	<4.75	---
	17-Dec-07	<50	---	<2.0	---	<5.0	---
	28-Mar-08	<50	<50	<2.5	<0.5	---	<300
	3-Jun-08	<50	<50	<2.5	<2.0	---	<300
	10-Sep-08	<50	<50	<2.5	<2.0	---	<300
MW-4	6-Sep-00	65.7	ND	---	---	ND	---
	22-Mar-07	<50	<50	---	<0.5	<4.75	---
	17-Dec-07	<50	---	<2.0	---	<5.0	---
	28-Mar-08	<50	<50	<2.5	<0.5	---	<300
	2-Jun-08	<50	<50	<2.5	<2.0	---	<300
	10-Sep-08	<50	<50	<2.5	<2.0	---	<300
MW-5	6-Sep-00	78.7	ND	---	---	ND	---
	22-Mar-07	500 HY	<50	---	<0.5	<4.85	---
	17-Dec-07	<50	---	<2.0	---	<5.0	---
	28-Mar-08	<50*	<50	<2.5	<0.5	---	<300
	2-Jun-08	<50*	<50	<2.5	<2.0	---	<300*
	10-Sep-08	<50*	<50	<2.5	<2.0	---	<300*
dup-1	10-Sep-08	<50*	<50	<2.5	<2.0	---	<300*

Notes:

ND = Sample not detected above detection limit; unable to find detection limit in prior sampling reports

< ## = Sample not detected above detection limit of ##

--- = Not sampled/analyzed for this constituent

* = Silica Gel Cleanup (EPA 3630) run to remove natually occuring organic compounds

Y = Sample exhibits chromatographic pattern which does not resemble standard

Sequoia Analytical

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Roadway Express	Project: 1708 Wood St	
248 Newport Avenue	Project Number: BTS# 001023-R2	Reported:
Long Beach CA, 90803	Project Manager: Cheryl Madden	11/14/00 16:52

Total Purgeable Hydrocarbons by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: a,a,a-Trifluorotoluene		*84.1 %*		*70-130*	"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: a,a,a-Trifluorotoluene		*97.8 %*		*70-130*	"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: a,a,a-Trifluorotoluene		*96.9 %*		*70-130*	"	"	"	"	

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Roadway Express	Project: 1708 Wood St	
248 Newport Avenue	Project Number: BTS# 001023-R2	Reported:
Long Beach CA, 90803	Project Manager: Cheryl Madden	11/14/00 16:52

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.1 %*		*70-130*		"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.8 %*		*70-130*		"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.9 %*		*70-130*		"	"	"	

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248 Newport Avenue	Project Number: BTS# 001023-R2	Reported:
Long Beach CA, 90803	Project Manager: Cheryl Madden	11/14/00 16:52

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water	**Sampled: 10/23/00 11:12**	**Received: 10/24/00 11:00**							
Diesel Range Hydrocarbons	65.9	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*77.4 %*	*50-150*		"	"	"	"	
MW 4 (MJJ0691-02) Water	**Sampled: 10/23/00 12:56**	**Received: 10/24/00 11:00**							
Diesel Range Hydrocarbons	65.7	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*84.6 %*	*50-150*		"	"	"	"	
MW 5 (MJJ0691-03) Water	**Sampled: 10/23/00 12:14**	**Received: 10/24/00 11:00**							
Diesel Range Hydrocarbons	78.7	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*78.0 %*	*50-150*		"	"	"	"	

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Roadway Express	Project: 1708 Wood St	
248 Newport Avenue	Project Number: BTS# 001023-R2	Reported:
Long Beach CA, 90803	Project Manager: Cheryl Madden	11/14/00 16:52

MTBE by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*98 6 %*	*70-130*		"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*70-130*		"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		"	"	"	"	

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Roadway Express	Project: 1708 Wood St	
248 Newport Avenue	Project Number: BTS# 001023-R2	Reported:
Long Beach CA, 90803	Project Manager: Cheryl Madden	11/14/00 16:52

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	

TABLE 1
Historical Monitoring Well Groundwater Summary
Groundwater Elevations and Total Petroleum Hydrocarbons in Groundwater
Roadway Express
1708 Wood Street
Oakland, California

Well ID	Aquifer Zone	Date	Depth to Water (ft below Top of Casing)	Groundwater Elevation (ft MSL)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total Oil & Grease (mg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Other VOCs (8260B) (µg/L)
MW-1	Shallow	24-Jul-97	---	---	1,200	50 U	---	---	---	---	---	1.4	---	---	
Well Destroyed August 2008															
MW-2	Shallow	24-Jul-97	---	---	940	50 U	---	---	---	---	---	6.2	---	---	
MW-2	Shallow	17-Dec-07	1.56	8.33	140	---	---	---	---	---	---	---	---	---	
MW-2	Shallow	28-Mar-08	1.03	8.86	180 BI, SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-2 (DUP-1)	Shallow	28-Mar-08	---	---	160 BI, SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-2	Shallow	02-Jun-08	1.44	8.45	---	---	---	---	---	---	---	---	---	---	
MW-2	Shallow	03-Jun-08	---	---	120 SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-2 (DUP-1)	Shallow	03-Jun-08	---	---	150 SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
Well Destroyed August 2008															
MW-3	Deep	22-Mar-07	4.04	6.07	50 U	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-3	Deep	28-Mar-08	4.12	5.99	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-3	Deep	02-Jun-08	4.35	5.76	---	---	---	---	---	---	---	---	---	---	
MW-3	Deep	03-Jun-08	---	---	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	10-Sep-08	4.48	5.63	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	29-Dec-08	4.42	5.69	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3 (DUP-1)	Deep	29-Dec-08	---	---	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-3	Deep	06-Mar-09	3.68	6.43	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-3	Deep	13-May-09	3.81	6.30	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-3	Deep	19-Sep-09	4.58	5.53	---	---	---	---	---	---	---	---	---	---	
MW-3	Deep	12-Nov-09	3.98	6.13	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-3	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.05 U	0.05 U	0.05 U	1 U	5,200 U	---	0.5 U	ND
MW-4	Deep	22-Mar-07	3.25	6.27	50 U	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-4	Deep	28-Mar-08	3.32	6.2	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-4	Deep	02-Jun-08	3.56	5.96	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	10-Sep-08	3.91	5.61	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	29-Dec-08	3.71	5.81	50 U	50 U	300 U	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-4	Deep	06-Mar-09	2.90	6.62	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-4	Deep	13-May-09	3.06	6.46	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-4	Deep	18-Sep-09	3.76	5.76	---	---	---	---	---	---	---	---	---	---	
MW-4	Deep	12-Nov-09	3.31	6.21	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-4	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,300 U	---	0.5 U	ND
MW-5	Deep	22-Mar-07	3.73	6.24	500 BI	50 U	---	---	---	---	---	4.85 U	---	0.5 U	
MW-5 (DUP-1)	Deep	22-Mar-07	---	---	710 BI	50 U	---	---	---	---	---	4.75 U	---	0.5 U	
MW-5	Deep	28-Mar-08	3.82	6.15	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	---	0.5 U	
MW-5	Deep	02-Jun-08	4.05	5.92	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	10-Sep-08	3.45	6.52	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5 (DUP-1)	Deep	10-Sep-08	---	---	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	29-Dec-08	4.19	5.78	50 U,SG	50 U	300 U,SG	0.5 U	0.5 U	0.5 U	---	---	2 U	---	
MW-5	Deep	06-Mar-09	3.32	6.65	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5 (DUP-1)	Deep	06-Mar-09	---	---	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5	Deep	13-May-09	3.54	6.43	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5 (DUP-1)	Deep	13-May-09	---	---	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-5	Deep	18-Sep-09	4.25	5.72	---	---	---	---	---	---	---	---	---	---	
MW-5	Deep	12-Nov-09	3.79	6.18	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-5	Deep	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND
MW-6	Shallow	06-Mar-09	0.60	9.53	95 U	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	13-May-09	1.06	9.07	95 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	18-Sep-09	1.91	8.22	94 U, SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-6	Shallow	12-Nov-09	1.74	8.39	94 U, SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-6	Shallow	14-Feb-11	NR	NR	51 U	50 U	130	0.5 U	0.5 U	0.5 U	1 U	5,100 U	---	0.5 U	ND
MW-7	Shallow	06-Mar-09	0.42	9.51	95 U,SG	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	13-May-09	0.95	8.98	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	18-Sep-09	1.75	8.18	84.5 SG, J	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7 (DUP-1)	Shallow	18-Sep-09	---	---	56.7 SG, J	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-7	Shallow	12-Nov-09	1.65	8.28	94 U,SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-7 (DUP-1)	Shallow	12-Nov-09	---	---	94 U,SG	50 U	190 U, SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-7	Shallow	14-Feb-11	NR	NR	51 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND
MW-8	Shallow	06-Mar-09	0.46	9.37	96 U,SG	50 U	190 U	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	13-May-09	1.64	8.19	77.1 SG, J	50 U	200 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	18-Sep-09	2.08	7.75	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	
MW-8	Shallow	12-Nov-09	1.93	7.90	94 U,SG	50 U	190 U,SG	1 U	1 U	1 U	2 U	---	---	1 U	ND
MW-8	Shallow	14-Feb-11	NR	NR	52 U	50 U	100 U	0.5 U	0.5 U	0.5 U	1 U	5,200 U	---	0.5 U	ND

Notes:

ft MSL	Feet above mean sea level
µg/L	Micrograms per Liter
---	No data for the cell, indicates "not measured" or "not analyzed for this constituent"
NR	Not reported

Laboratory Qualifiers:

BI	Sample does not resemble standard
SG	SGCU, Silica Gel Clean-up, EPA Method 3630C
J	EPA Flag - Estimated value
U	Compound was not detected above the indicated laboratory reporting limits

2/14/2011 results were summarized from ACC Phase II ESA- Limited Soil and Groundwater Investigation, October 15, 2013

Chemical Abbreviations:

TPHd	Total petroleum hydrocarbons as diesel range by EPA Method 8015M
TPHmo	Total petroleum hydrocarbons as motor oil range by EPA Method 8015M
TPHg	Total petroleum hydrocarbons as gasoline range by EPA Method 8260B
BTEX	Benzene, ethyl-benzene, toluene, and total xylenes by EPA Method 8260B
MTBE (8021B)	Methyl tert-butyl ether by EPA 8021B
MTBE (8260B)	Methyl tert-butyl ether by EPA 8260B
TOG	Total Oil and Grease by EPA Method 413.2 or EPA 1664
ND	Not detected

TABLE 1
Historical Grab Groundwater Summary
Total Petroleum Hydrocarbons, Oil Grease, Motor Oil, BTEX, and MTBE
USF Roadway Express Facility
1708 Wood Street
Oakland, California

Sample ID	Date Sampled	TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	Total Oil & Grease	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Analytical Reporting Units		µg/L	µg/L	µg/L	mg/L	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/L
B-1	24-Jul-97	<50	<50	---	<0.5	---	---	---	---	---
B-3	24-Jul-97	<50	500	---	0.54	---	---	---	---	---
B-4	24-Jul-97	<50	560	---	<0.5	---	---	---	---	---
B-5	24-Jul-97	<50	<50	---	<0.5	---	---	---	---	---
B-6	24-Jul-97	<50	2,000	---	0.69	---	---	---	---	---
B-7	24-Jul-97	840	120,000	---	8.8	---	---	---	---	---
B-8	24-Jul-97	<50	2,000	---	0.61	---	---	---	---	---
BM-2	10-Dec-07	260	28,000	1,500	<5.0	---	---	---	---	---
BM-3	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-4	10-Dec-07	<50	<620	9,900	<5.0	---	---	---	---	---
BM-5	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-6	10-Dec-07	<50	---	---	---	---	---	---	---	---
BM-7	10-Dec-07	<50	120 Y	---	<5.0	---	---	---	---	---
BM-8	10-Dec-07	54,000 Y	61,000	---	430	---	---	---	---	---
BM-9	10-Dec-07	180 Y	1,200 Y	---	<5.0	---	---	---	---	---
BM-10-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-10-D	4-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-11-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-11-D	4-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-12-S	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-12-D	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-13-O	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-14-O	5-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-15-S	5-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-15-D	5-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-16-O	5-Aug-08	<50 b	<50 b	<300 b	---	<0.50 b	<0.50 b	<0.50 b	<0.50 b	<2.0 b
BM-17-O	6-Aug-08	<50	<50*	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-18-O	6-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
BM-19-O	6-Aug-08	<50	<50	<300	---	<0.50	<0.50	<0.50	<0.50	<2.0
MW-2	4-Aug-08	<50	<50*	<300*	---	<0.50	<0.50	<0.50	<0.50	<2.0

Notes:

ND = Sample not detected above detection limit; unable to find detection limit in prior sampling reports

< ## = Sample not detected above detection limit of ##

--- = Not sampled/analyzed for this constituent due to limited recovery of groundwater/and or not scheduled

NS = Not sampled for constituent

* = Result after silica gel clean-up procedure, EPA Method 3630C

Y = Atypical pattern

b = Sample analysed outside of hold time

S = Shallow water zone

D = Deeper water zone

O = Singular water zone

TABLE 6
Summary of CAM 17 Metals in Groundwater (December 2007)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		BM-1	BM-7	BM-8	BM-9
Sample Depth (feet bgs)		8	6	7	5
Date Collected		12/10/2007	12/10/2007	12/10/2007	12/10/2007
Metal	California Tier 1 ESL (µg/L)	µg/L	µg/L	µg/L	µg/L
Antimony	30	**63**	10 U	10 U	**11**
Arsenic	36	**430**	**31**	**11**	**72**
Barium	1,000	**5,600**	**270**	**94**	**2,400**
Beryllium	0.53	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	0.25	**16**	2.0 U	2.0 U	**7**
Chromium	180	**5,500**	**270**	**110**	**610**
Cobalt	3	**610**	**42**	**15**	**170**
Copper	3.1	**2,900**	**110**	**45**	**640**
Lead	2.5	**9,200**	**83**	**30**	**860**
Mercury	0.025	0.2 U	0.2 U	0.2 U	0.2 U
Molybdenum	240	5.0 U	**5.0**	5.0 U	**22**
Nickel	8.2	**3,500**	**220**	**75**	**500**
Selenium	5	20 U	20 U	20 U	20 U
Silver	0.19	5.0 U	5.0 U	5.0 U	5.0 U
Thallium	4	20 U	20 U	20 U	20 U
Vanadium	19	**4,000**	**230**	**90**	**580**
Zinc	81	**7,200**	**260**	**87**	**1,500**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
Concentrations presented represent total metals (unfiltered) data
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
CAM - California Administrative Manual
ESL - Environmental Screening Level
m - meters
µg/L - micrograms per liter
U - not detected above laboratory reporting limit

Source: *Underground Storage Tank & Oil Water Separator Removal Report* (Burns & McDonnell, 2012)

TABLE 2A
Groundwater Analytical Summary Table- Title 22 Metals (CAM 17)
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)												
			Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Mercury	Zinc
SB-1	15-Feb-11	Water	**130**	130	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	56
SB-2	15-Feb-11	Water	<10	65	<2.0	<2.5	<10	2.4	<20	<5.0	11	<10	<10	<0.2	25
SB-3	15-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4	15-Feb-11	Water	<10	77	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	<20
SB-6	16-Feb-11	Water	<10	110	<2.0	<2.5	<10	<2.0	<20	<5.0	11	<10	<10	<0.2	31
SB-7	17-Feb-11	Water	<10	53	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	**10**	<0.2	<20
SB-10	16-Feb-11	Water	<10	460	2.9	<2.5	<10	4.0	<20	<5.0	14	11	<10	<0.2	22
SB-11	16-Feb-11	Water	<10	240	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	**68**	<10	<0.2	26
SB-16	17-Feb-11	Water	**11**	110	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	27
SB-17	17-Feb-11	Water	<10	240	<2.0	<2.5	**88**	**18**	**70**	**100**	<10	**59**	**76**	**0.29**	**240**
SB-18	17-Feb-11	Water	<10	36	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	<20
**ESLs - Final Groundwater Screening Levels	Groundwater is not a Current or Potential Source of Drinking Water	Water	36	1,300	0.53	0.25	11	3	3	2.50	240	8.20	19	0.03	81
PRG's	MCLs	Water	10	2,000	4	5	100		1,300	15	NA	NA	NA	2	NA
Oakland RBCA	MCLs	Water	50	1,000,000	4	10	NA	NA	1,300	NA	NA	100	NA	2	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal Novembe
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

NA=Not Applicable

TABLE 2B
Groundwater Analytical Summary Table- Petroleum Constituents PCBs
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)												
			Diesel Range Organics		Volatile Organic Compounds VOCs								General Chemisrty		PCBs
			TPH as Diesel (TPHd)	TPH as Motor Oil (TPHmo)	TPH as Gasoline (TPHg)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	Tetrachloroethene	Chloride	Oil & Grease	PCBs
MW-3	14-Feb-11	Water	<51	<100	<50	<0.05	<0.05	<0.05	<1.0	NA	<0.50	<0.05	NA	<5,200	NA
MW-4	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,300	NA
MW-5	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.83**	<0.50	NA	<5,200	NA
MW-6	14-Feb-11	Water	<51	130	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,100	NA
MW-7	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,200	NA
MW-8	14-Feb-11	Water	<52	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,500	NA
SB-1	15-Feb-11	Water	**700**	**760**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	**380,000**	<7.4	<0.56
SB-2	15-Feb-11	Water	**3,400**	**2,600**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	**35,000**	**6,500**	<0.68
SB-3	16-Feb-11	Water	**690**	**2,400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	<28,000	NA
SB-4	15-Feb-11	Water	**650**	**550**	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.05	NA	NA	NA
SB-6	16-Feb-11	Water	**940**	**690**	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
SB-7	17-Feb-11	Water	**490**	**510**	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
SB-10	16-Feb-11	Water	**2,300**	**1,400**	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	**7,000**	NA
SB-11	16-Feb-11	Water	**19,000**	**6,900**	**240**	<0.50	<0.50	<0.50	<1.0	**0.56**	0.56	<0.05	NA	**48,000**	NA
SB-16	17-Feb-11	Water	**1,100**	**1,600**	<50	<0.50	<0.50	<0.50	<1.0	**2.8**	<0.50	<0.50	NA	NA	NA
SB-17	17-Feb-11	Water	**230**	**330**	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	**1.9**	NA	NA	NA
SB-18	17-Feb-11	Water	**3,100**	**2,200**	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
**ESLs - Final Groundwater Screening Levels	Groundwater is not a Current or Potential Source of Drinking Water	Water	210	210	210	46	130	43	100	1,800	NA	120	NA	NA	140
ESLs- Groundwater Screening Levels for Evaluation of Potential Indoor Air Impacts	Residential Land Use	Water	14,000	14,000	14,000	540	380,000	170,000	160,000	24,000	NA	120	NA	NA	NA
	Commercial/Industrial Land Use	Water	29,000	29,000	29,000	1,800	530,000	170,000	160,000	80,000	NA	420	NA	NA	NA
Oakland RBCA	MCLs	Water	NA	NA	NA	0.001	0.15	0.700	1.750	0.013	NA	0.005	NA	NA	NA
PRG's	MCLs	Water	NA	NA	NA	5	1,000	700	10,000	NA	NA	5.0	NA	NA	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal November 2009)
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels

Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

NA=Not Applicable

TABLE 2C
Groundwater Analytical Summary Table- PNAs
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)															
			Polynuclear Aromatic Hydrocarbons															
			Naphthalene	Acenaphthene	Acenaphthylene	Fluorene	Phenanthrene	Anthracene	Benzo[a]anthracene	Chrysene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Indeno[1,2,3-cd]pyrene	Fluoranthene	Pyrene	Dibenzo(a,h)anthracene
SB-1	15-Feb-11	Water	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
SB-2	15-Feb-11	Water	1.0	0.92	1.0	3.0	7.7	1.8	2.2	2.5	2.5	1.6	1.8	1.5	1.3	5.5	6.3	0.29
SB-3	16-Feb-11	Water	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SB-4	16-Feb-11	Water	<2.4	<2.4	<2.4	<2.4	0.25	<2.4	0.20	0.21	0.22	0.26	0.14	0.17	0.10	0.32	0.44	<2.4
SB-6	16-Feb-11	Water	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
SB-7		Water	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
SB-10	16-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	16-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	17-Feb-11	Water	0.17	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
SB-17	17-Feb-11	Water	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.2	<0.14	0.14	0.17	<0.14
SB-18	17-Feb-11	Water	0.24	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
**ESLs - Residential (unrestricted site usage)	Groundwater is not a Current or Potential Source of Drinking Water	Water	24	23	30	4	5	0.730	0.027	0.350	0.014	0.029	0.40	0.10	0.05	8	2	0.25
ESLs- Groundwater Screening Levels for Evaluation of Potential Indoor Air Impacts	Residential Land Use	Water	0.072	44	22	29	22	220	NA	NA	NA	NA	NA	NA	NA	NA	22	NA
	Commercial/Industrial Land Use	Water	0.120	61	31	41	31	310	NA	NA	NA	NA	NA	NA	NA	NA	31	NA
Oakland RBCA	MCLs	Water	0.0002	NA	NA	NA	NA	NA	NA	NA	0.0002	NA	NA	NA	NA	NA	NA	NA
PRG's	MCLs	Water	NA	NA	NA	NA	NA	NA	NA	NA	0.20	NA	NA	NA	NA	NA	NA	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal November 2009)
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

TABLE 8
Summary of LUFT 5 Metals in Groundwater (October-November 2011)
YRC Enterprise Services, Inc. - Roadway Express Facility
1708 Wood Street, Oakland, California

Boring ID		OWS-GW	CO Water	CO Water-2	WTank Grab	ETank Grab
Sample Depth (feet bgs)		5	3	3	13	11
Date Collected		10/27/2011	11/9/2011	11/18/2011	10/31/2011	10/31/2011
Comments		Oil Water Pit	Oil Water Line	Oil Water Line	West Tank- West End	East Tank- East End
Metal	California Tier 1 ESL (µg/L)	µg/L	µg/L	µg/L	µg/L	µg/L
Cadmium	0.25	2.0 U	2.0 U	2.0 U	**14.7**	2.0 U
Chromium	180	10 U	**13.0**	**80.4**	**866**	**54.6**
Lead	2.5	**121**	**80.4**	**311**	**2,050**	**38.0**
Nickel	8.2	**52.4**	**19.0**	**54.2**	**1,010**	**59.6**
Zinc	81	**121**	**102**	**388**	**3,070**	**167**

Notes:
Detections presented in bold
Concentrations exceeding California Tier 1 ESL are highlighted
Concentrations presented represent total metals (unfiltered) data
bgs - below ground surface
California Tier 1 ESL - Commercial/Industrial Land Use Only, Groundwater is not a Current or Potential Source of Drinking Water
ESL - Environmental Screening Level
LUFT - Leaking Underground Fuel Tanks
m - meters
µg/L - micrograms per liter
U - not detected above laboratory reporting limit

Source: *Underground Storage Tank & Oil Water Separator Removal Report* (Burns & McDonnell, 2012)

Table 2
Summary of Total Petroleum Hydrocarbons and LUFT 5 Metals in Groundwater
UST and OWS Removal 2011

YRC Enterprise Services Inc.
Roadway Express Facility
1708 Wood Street
Oakland California

Sample ID	Sample Date	Sample Location	Sample Depth (ft bgs)	Total Petroleum Hydrocarbons			BTEX / MTBE					LUFT 5 Metals				
				Gas	Diesel	Motor Oil	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	Cadmium	Chromium	Lead	Nickel	Zinc
CA SWRCB SF Bay Region Tier 1 ESLs (Shallow Soils) ug/L:				210	210	210	46	130	43	100	2.5	0.25	180	2.5	8.2	81
Oil Water Seperator Area																
OWS-GW	10/27/2011	Oil Water Pit	5	50 U	197	200 U	1.0 U	1.0 U	1.0 U	2.0 U	0.87 J	2.0 U	10 U	**121**	**52.4**	**121**
Oil Water Seperator Clean Out Line																
CO Water	11/9/2011	Oil Water Line	3	50 U	**2,990**	**1,970**	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	13.0	**80.4**	**19.0**	**102**
CO Water-2	11/18/2011	Oil Water Line	3	94.1	**758**	200 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	80.4	**311**	**54.2**	**388**

Sample ID	Sample Date	Sample Location	Sample Depth (ft bgs)	Total Petroleum Hydrocarbons			BTEX / MTBE					LUFT 5 Metals				
				Gas	Diesel	Motor Oil	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	Cadmium	Chromium	Lead	Nickel	Zinc
CA SWRCB SF Bay Region Tier 1 ESLs (Deep Soils) ug/L:				210	210	210	46	130	43	100	1,800	0.25	180	2.5	8.2	81
Underground Storage Tank Area																
WTank Grab	10/31/2011	West Tank- West End	13	**598**	**2,250**	**218 J**	5.2	111	10.7	61.6	2.0 U	**14.7**	**866**	**2,050**	**1,010**	**3,070**
ETank Grab	10/31/2011	East Tank- East End	11	182	**2,180**	**368 J**	1.0 U	1.0 U	0.74 J	2.0 U	1.0 U	2.0 U	54.6	**38.0**	**59.6**	**167**

Notes:
All results are in micrograms per liter: ug/L
ug/L Microgram per Liter
ft bgs Feet below ground surface
U Constituent not-detected at or below indicated value
Shallow soil ≤ 3m (meters)
Deep soil ≥3m (meters)

TABLE 2A
Groundwater Analytical Summary Table- Title 22 Metals (CAM 17)
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)												
			Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Mercury	Zinc
SB-1	15-Feb-11	Water	**130**	130	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	56
SB-2	15-Feb-11	Water	<10	65	<2.0	<2.5	<10	2.4	<20	<5.0	11	<10	<10	<0.2	25
SB-3	15-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4	15-Feb-11	Water	<10	77	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	<20
SB-6	16-Feb-11	Water	<10	110	<2.0	<2.5	<10	<2.0	<20	<5.0	11	<10	<10	<0.2	31
SB-7	17-Feb-11	Water	<10	53	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	**10**	<0.2	<20
SB-10	16-Feb-11	Water	<10	460	2.9	<2.5	<10	4.0	<20	<5.0	14	11	<10	<0.2	22
SB-11	16-Feb-11	Water	<10	240	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	**68**	<10	<0.2	26
SB-16	17-Feb-11	Water	**11**	110	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	27
SB-17	17-Feb-11	Water	<10	240	<2.0	<2.5	**88**	**18**	**70**	**100**	<10	**59**	**76**	**0.29**	**240**
SB-18	17-Feb-11	Water	<10	36	<2.0	<2.5	<10	<2.0	<20	<5.0	<10	<10	<10	<0.2	<20
**ESLs - Final Groundwater Screening Levels	Groundwater is not a Current or Potential Source of Drinking Water	Water	36	1,300	0.53	0.25	11	3	3	2.50	240	8.20	19	0.03	81
PRG's	MCLs	Water	10	2,000	4	5	100		1,300	15	NA	NA	NA	2	NA
Oakland RBCA	MCLs	Water	50	1,000,000	4	10	NA	NA	1,300	NA	NA	100	NA	2	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal Novembe
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

NA=Not Applicable

TABLE 2B
Groundwater Analytical Summary Table- Petroleum Constituents PCBs
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)												
			Diesel Range Organics		Volatile Organic Compounds VOCs								General Chemisrty		PCBs
			TPH as Diesel (TPHd)	TPH as Motor Oil (TPHmo)	TPH as Gasoline (TPHg)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	Tetrachloroethene	Chloride	Oil & Grease	PCBs
MW-3	14-Feb-11	Water	<51	<100	<50	<0.05	<0.05	<0.05	<1.0	NA	<0.50	<0.05	NA	<5,200	NA
MW-4	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,300	NA
MW-5	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	0.83	<0.50	NA	<5,200	NA
MW-6	14-Feb-11	Water	<51	130	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,100	NA
MW-7	14-Feb-11	Water	<51	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,200	NA
MW-8	14-Feb-11	Water	<52	<100	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	<5,500	NA
SB-1	15-Feb-11	Water	700	760	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	380,000	<7.4	<0.56
SB-2	15-Feb-11	Water	3,400	2,600	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	35,000	6,500	<0.68
SB-3	16-Feb-11	Water	690	2,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	<28,000	NA
SB-4	15-Feb-11	Water	650	550	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.05	NA	NA	NA
SB-6	16-Feb-11	Water	940	690	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
SB-7	17-Feb-11	Water	490	510	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
SB-10	16-Feb-11	Water	2,300	1,400	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	NA	7,000	NA
SB-11	16-Feb-11	Water	19,000	6,900	240	<0.50	<0.50	<0.50	<1.0	0.56	0.56	<0.05	NA	48,000	NA
SB-16	17-Feb-11	Water	1,100	1,600	<50	<0.50	<0.50	<0.50	<1.0	2.8	<0.50	<0.50	NA	NA	NA
SB-17	17-Feb-11	Water	230	330	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	1.9	NA	NA	NA
SB-18	17-Feb-11	Water	3,100	2,200	<50	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	NA	NA	NA
**ESLs - Final Groundwater Screening Levels	Groundwater is not a Current or Potential Source of Drinking Water	Water	210	210	210	46	130	43	100	1,800	NA	120	NA	NA	140
ESLs- Groundwater Screening Levels for Evaluation of Potential Indoor Air Impacts	Residential Land Use	Water	14,000	14,000	14,000	540	380,000	170,000	160,000	24,000	NA	120	NA	NA	NA
	Commercial/Industrial Land Use	Water	29,000	29,000	29,000	1,800	530,000	170,000	160,000	80,000	NA	420	NA	NA	NA
Oakland RBCA	MCLs	Water	NA	NA	NA	0.001	0.15	0.700	1.750	0.013	NA	0.005	NA	NA	NA
PRG's	MCLs	Water	NA	NA	NA	5	1,000	700	10,000	NA	NA	5.0	NA	NA	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal November 2009)
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

NA=Not Applicable

TABLE 2C
Groundwater Analytical Summary Table- PNAs
1708 Wood Street
Oakland, California

Monitoring Well ID & Screened Interval And/or Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations (ug/L)															
			Polynuclear Aromatic Hydrocarbons															
			Naphthalene	Acenaphthene	Acenaphthylene	Fluorene	Phenanthrene	Anthracene	Benzo[a]anthracene	Chrysene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Indeno[1,2,3-cd]pyrene	Fluoranthene	Pyrene	Dibenzo(a,h)anthracene
SB-1	15-Feb-11	Water	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
SB-2	15-Feb-11	Water	1.0	0.92	1.0	3.0	7.7	1.8	2.2	2.5	2.5	1.6	1.8	1.5	1.3	5.5	6.3	0.29
SB-3	16-Feb-11	Water	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SB-4	16-Feb-11	Water	<2.4	<2.4	<2.4	<2.4	0.25	<2.4	0.20	0.21	0.22	0.26	0.14	0.17	0.10	0.32	0.44	<2.4
SB-6	16-Feb-11	Water	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
SB-7		Water	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
SB-10	16-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	16-Feb-11	Water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	17-Feb-11	Water	0.17	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
SB-17	17-Feb-11	Water	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.2	<0.14	0.14	0.17	<0.14
SB-18	17-Feb-11	Water	0.24	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
**ESLs - Residential (unrestricted site usage)	Groundwater is not a Current or Potential Source of Drinking Water	Water	24	23	30	4	5	0.730	0.027	0.350	0.014	0.029	0.40	0.10	0.05	8	2	0.25
ESLs- Groundwater Screening Levels for Evaluation of Potential Indoor Air Impacts	Residential Land Use	Water	0.072	44	22	29	22	220	NA	NA	NA	NA	NA	NA	NA	NA	22	NA
	Commercial/Industrial Land Use	Water	0.120	61	31	41	31	310	NA	NA	NA	NA	NA	NA	NA	NA	31	NA
Oakland RBCA	MCLs	Water	0.0002	NA	NA	NA	NA	NA	NA	NA	0.0002	NA	NA	NA	NA	NA	NA	NA
PRG's	MCLs	Water	NA	NA	NA	NA	NA	NA	NA	NA	0.20	NA	NA	NA	NA	NA	NA	NA

Notes
***ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008)*
PRGs=EPA Region 9 Preliminary Remediation Goal November 2009)
MCLs= Maximum Contaminate Levels
RBCA=Risk Based Corrective Action Levels
Shaded Values Exceed Their Respective Criteria (Pink Residential/Blue Commerical)

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-001 **Sample ID: MW-2** **Matrix:** Liquid **Sample Date:** 12/17/2007 2:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

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Burns & McDonnell Engineering
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So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-001 **Sample ID: MW-2** **Matrix:** Liquid **Sample Date:** 12/17/2007 2:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.6	60 - 130
Dibromofluoromethane	86.9	60 - 130
Toluene-d8	91.7	60 - 130

Analyzed by: TAF
Reviewed by: xbian

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	**140**		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220
Atypical pattern (C10-C36).									

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	93.3	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-002 **Sample ID: MW-3** **Matrix:** Liquid **Sample Date:** 12/17/2007 3:10 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-002 **Sample ID: MW-3** **Matrix:** Liquid **Sample Date:** 12/17/2007 3:10 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.8	60 - 130
Dibromofluoromethane	87.6	60 - 130
Toluene-d8	91.4	60 - 130

Analyzed by: TAF
Reviewed by: xbian

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	98.3	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-003 **Sample ID: MW-4** **Matrix:** Liquid **Sample Date:** 12/17/2007 4:10 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-003 **Sample ID: MW-4** **Matrix:** Liquid **Sample Date:** 12/17/2007 4:10 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.9	60 - 130
Dibromofluoromethane	86.1	60 - 130
Toluene-d8	91.4	60 - 130

Analyzed by: TAF
Reviewed by: xbian

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	98.2	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-004 **Sample ID: MW-5** **Matrix:** Liquid **Sample Date:** 12/17/2007 4:45 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-004 **Sample ID: MW-5** **Matrix:** Liquid **Sample Date:** 12/17/2007 4:45 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.6	60 - 130
Dibromofluoromethane	94.0	60 - 130
Toluene-d8	94.3	60 - 130

Analyzed by: TAF
Reviewed by: xbian

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	98.1	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-005 **Sample ID: DUP-1** **Matrix:** Liquid **Sample Date:** 12/17/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/18/2007
Sample Collected by: Client

Lab # : 58754-005 **Sample ID: DUP-1** **Matrix:** Liquid **Sample Date:** 12/17/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/20/2007	WM2071220
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/20/2007	WM2071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.7	60 - 130
Dibromofluoromethane	90.5	60 - 130
Toluene-d8	92.9	60 - 130

Analyzed by: TAF
Reviewed by: xbian

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	98.9	50 - 150

Analyzed by: JHsiang
Reviewed by: mfran

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
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Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-013 **Sample ID:** BM-7 **Matrix:** Liquid **Sample Date:** 12/10/2007 4:15 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methyl-t-butyl Ether	**2.3**		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-013 **Sample ID: BM-7** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:15 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	106	60 - 130
Toluene-d8	97.2	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

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Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-014 **Sample ID: BM-8** **Matrix:** Liquid **Sample Date:** 12/10/2007 3:50 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,1-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2,2-Tetrachloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloropropene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichlorobenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichloropropane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trichlorobenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trimethylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromo-3-Chloropropane	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromoethane (EDB)	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloropropane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3,5-Trimethylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichloropropane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,4-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
2,2-Dichloropropane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
2-Chlorotoluene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
4-Chlorotoluene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
Benzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromobenzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromochloromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromodichloromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromoform	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromomethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Carbon Tetrachloride	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Chlorobenzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroform	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
cis-1,2-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromochloromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromomethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Dichlorodifluoromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Ethyl Benzene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Hexachlorobutadiene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
Isopropylbenzene	ND		10	10	µg/L	N/A	N/A	12/12/2007	WM7071212
Methyl-t-butyl Ether	ND		10	10	µg/L	N/A	N/A	12/12/2007	WM7071212
Methylene Chloride	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Propylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212

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Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-014 **Sample ID: BM-8** **Matrix:** Liquid **Sample Date:** 12/10/2007 3:50 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
p-Isopropyltoluene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
sec-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
Styrene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
tert-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/12/2007	WM7071212
Tetrachloroethene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Toluene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
trans-1,2-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichloroethene	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichlorofluoromethane	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Vinyl Chloride	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Xylenes, Total	ND		10	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212

The reporting limits were raised due to high concentration of heavy hydrocarbons.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	115	60 - 130
Dibromofluoromethane	105	60 - 130
Toluene-d8	96.7	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

Mercury: EPA 7470A for Water and Groundwater / EPA 245.1 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Mercury	ND		1.0	0.0002	mg/L	12/13/2007	WHG071213	12/13/2007	WHG071213

Analyzed by: RWipfler
Reviewed by: HDINH

Metals by ICP: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Antimony	ND		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Arsenic	**0.011**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Barium	**0.094**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Beryllium	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cadmium	ND		1.0	0.0020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Chromium	**0.11**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cobalt	**0.015**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Copper	**0.045**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Lead	**0.030**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Molybdenum	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Nickel	**0.075**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Selenium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Silver	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Thallium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Vanadium	**0.090**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Zinc	**0.087**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212

Analyzed by: CTran
Reviewed by: HDINH

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-015 **Sample ID: BM-9** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212

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So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-015 **Sample ID: BM-9** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	98.4	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

Mercury: EPA 7470A for Water and Groundwater / EPA 245.1 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Mercury	ND		1.0	0.0002	mg/L	12/13/2007	WHG071213	12/13/2007	WHG071213

Analyzed by: RWipfler
Reviewed by: HDINH

Metals by ICP: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Antimony	**0.011**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Arsenic	**0.072**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Barium	**2.4**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Beryllium	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cadmium	**0.0070**		1.0	0.0020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Chromium	**0.61**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cobalt	**0.17**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Copper	**0.64**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Lead	**0.86**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Molybdenum	**0.022**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Nickel	**0.50**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Selenium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Silver	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Thallium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Vanadium	**0.58**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Zinc	**1.5**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212

Analyzed by: CTran
Reviewed by: HDINH

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-004 **Sample ID: BM-1** **Matrix:** Liquid **Sample Date:** 12/10/2007 11:35 AM

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dichlorobenzene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dinitrobenzene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dichlorobenzene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dinitrobenzene	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dichlorobenzene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dinitrobenzene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1-Methylnaphthalene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,4,6-Tetrachlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,5,6-Tetrachlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,5-Trichlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,6-Trichlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dichlorophenol	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dimethylphenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrophenol	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrotoluene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,6-Dinitrotoluene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chloronaphthalene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylnaphthalene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylphenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitroaniline	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitrophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3&4-Methylphenol	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3,3'-Dichlorobenzidine	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3-Nitroaniline	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4,6-Dinitro-2-methylphenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Bromophenyl Phenyl Ether	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloro-3-methylphenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloroaniline	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chlorophenyl-phenylether	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitroaniline	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitrophenol	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthylene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Aniline	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Anthracene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Azobenzene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)anthracene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)pyrene	ND		1.5	46	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(b)fluoranthene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(g,h,i)perylene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(k)fluoranthene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzoic Acid	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzyl Alcohol	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

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Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-004 **Sample ID: BM-1** **Matrix:** Liquid **Sample Date:** 12/10/2007 11:35 AM

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis-(2-Chloroethyl)ether	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Chloroisopropyl)ether	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)adipate	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)phthalate	**16**		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Butylbenzylphthalate	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Carbazole	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Chrysene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-butylphthalate	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-octylphthalate	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzo(a,h)anthracene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzofuran	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diethylphthalate	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dimethylphthalate	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diphenylamine	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluoranthene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluorene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobenzene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobutadiene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorocyclopentadiene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachloroethane	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Indeno(1,2,3-cd)pyrene	ND		1.5	23	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Isophorone	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
N-Nitroso-di-n-propylamine	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Naphthalene	ND		1.5	38	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Nitrobenzene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pentachlorophenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenanthrene	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenol	ND		1.5	15	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pyrene	ND		1.5	31	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

The reporting limits were raised due to insufficient sample volume (high level of sediment).

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	73.3	25 - 115
2-Fluorobiphenyl	81.4	25 - 106
2-Fluorophenol	82.2	10 - 100
Nitrobenzene-d5	89.7	25 - 100
Phenol-d6	76.6	7 - 100
p-Terphenyl-d14	76.9	35 - 130

Analyzed by: Lyu
Reviewed by: mtran

Mercury: EPA 7470A for Water and Groundwater / EPA 245.1 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Mercury	ND		1.0	0.0002	mg/L	12/13/2007	WHG071213	12/13/2007	WHG071213

Analyzed by: RWipfler
Reviewed by: HDINH

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 **Phone: (408) 588-0200** **Fax: (408) 588-0201**

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-013 **Sample ID: BM-7** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:15 PM

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dichlorobenzene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dinitrobenzene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dichlorobenzene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dinitrobenzene	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dichlorobenzene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dinitrobenzene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1-Methylnaphthalene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,4,6-Tetrachlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,5,6-Tetrachlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,5-Trichlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,6-Trichlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dichlorophenol	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dimethylphenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrophenol	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrotoluene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,6-Dinitrotoluene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chloronaphthalene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylnaphthalene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylphenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitroaniline	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitrophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3&4-Methylphenol	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3,3'-Dichlorobenzidine	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3-Nitroaniline	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4,6-Dinitro-2-methylphenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Bromophenyl Phenyl Ether	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloro-3-methylphenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloroaniline	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chlorophenyl-phenylether	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitroaniline	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitrophenol	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthylene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Aniline	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Anthracene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Azobenzene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)anthracene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)pyrene	ND		1.1	33	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(b)fluoranthene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(g,h,i)perylene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(k)fluoranthene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzoic Acid	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzyl Alcohol	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-013 **Sample ID: BM-7** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:15 PM

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis-(2-Chloroethoxy)methane	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis-(2-Chloroethyl)ether	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Chloroisopropyl)ether	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)adipate	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)phthalate	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Butylbenzylphthalate	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Carbazole	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Chrysene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-butylphthalate	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-octylphthalate	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzo(a,h)anthracene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzofuran	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diethylphthalate	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dimethylphthalate	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diphenylamine	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluoranthene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluorene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobenzene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobutadiene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorocyclopentadiene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachloroethane	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Indeno(1,2,3-cd)pyrene	ND		1.1	17	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Isophorone	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
N-Nitroso-di-n-propylamine	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Naphthalene	ND		1.1	28	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Nitrobenzene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pentachlorophenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenanthrene	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenol	ND		1.1	11	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pyrene	ND		1.1	22	µg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

The reporting limits were raised due to insufficient sample volume (high level of sediment).

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	89.5	25 - 115
2-Fluorobiphenyl	83.3	25 - 106
2-Fluorophenol	38.7	10 - 100
Nitrobenzene-d5	74.3	25 - 100
Phenol-d6	26.2	7 - 100
p-Terphenyl-d14	98.2	35 - 130

Analyzed by: Lyu
Reviewed by: mtran

Mercury: EPA 7470A for Water and Groundwater / EPA 245.1 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Mercury	ND		1.0	0.0002	mg/L	12/13/2007	WHG071213	12/13/2007	WHG071213

Analyzed by: RWipfler
Reviewed by: HDINH

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-014A **Sample ID: BM-8 Floating Product** **Matrix:** Liquid **Sample Date:** 12/10/2007 3:50 PM

58598-014A - The letter following the laboratory number indicates an additional aliquot of the sample or a second analytical run where both runs are being reported.

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dichlorobenzene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,2-Dinitrobenzene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dichlorobenzene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,3-Dinitrobenzene	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dichlorobenzene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1,4-Dinitrobenzene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
1-Methylnaphthalene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,4,6-Tetrachlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,3,5,6-Tetrachlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,5-Trichlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4,6-Trichlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dichlorophenol	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dimethylphenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrophenol	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,4-Dinitrotoluene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2,6-Dinitrotoluene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chloronaphthalene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Chlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylnaphthalene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Methylphenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitroaniline	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
2-Nitrophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3&4-Methylphenol	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3,3'-Dichlorobenzidine	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
3-Nitroaniline	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4,6-Dinitro-2-methylphenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Bromophenyl Phenyl Ether	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloro-3-methylphenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chloroaniline	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Chlorophenyl-phenylether	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitroaniline	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
4-Nitrophenol	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Acenaphthylene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Aniline	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Anthracene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Azobenzene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)anthracene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(a)pyrene	ND		1.0	3000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(b)fluoranthene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(g,h,i)perylene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzo(k)fluoranthene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Benzoic Acid	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-014A **Sample ID: BM-8 Floating Product** **Matrix:** Liquid **Sample Date:** 12/10/2007 3:50 PM

58598-014A - The letter following the laboratory number indicates an additional aliquot of the sample or a second analytical run where both runs are being reported.

SVOCs: EPA 3535A / EPA 3510C / EPA 8270C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzyl Alcohol	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis-(2-Chloroethoxy)methane	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis-(2-Chloroethyl)ether	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Chloroisopropyl)ether	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)adipate	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
bis(2-Ethylhexyl)phthalate	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Butylbenzylphthalate	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Carbazole	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Chrysene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-butylphthalate	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Di-n-octylphthalate	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzo(a,h)anthracene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dibenzofuran	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diethylphthalate	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Dimethylphthalate	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Diphenylamine	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluoranthene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Fluorene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobenzene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorobutadiene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachlorocyclopentadiene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Hexachloroethane	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Indeno(1,2,3-cd)pyrene	ND		1.0	1500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Isophorone	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
N-Nitroso-di-n-propylamine	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Naphthalene	ND		1.0	2500	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Nitrobenzene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pentachlorophenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenanthrene	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Phenol	ND		1.0	1000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212
Pyrene	ND		1.0	2000	mg/L	12/12/2007	SVW071212	12/12/2007	SVW071212

See Case Narrative on the cover of this report.

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	57.0	25 - 115
2-Fluorobiphenyl	86.2	25 - 106
2-Fluorophenol	52.7	10 - 100
Nitrobenzene-d5	77.0	25 - 100
Phenol-d6	47.8	7 - 100
p-Terphenyl-d14	107	35 - 130

Analyzed by: LYu
Reviewed by: mtran

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Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-015 **Sample ID: BM-9** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,3-Trichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Methylene Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212

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Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Attn: Patrick Bratton

Project Number: 47561
Project Name: YRCW-Oakland

Certificate of Analysis - Data Report

Samples Received: 12/11/2007
Sample Collected by: Client

Lab # : 58598-015 **Sample ID: BM-9** **Matrix:** Liquid **Sample Date:** 12/10/2007 4:30 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/12/2007	WM7071212
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/12/2007	WM7071212

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	98.4	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

Mercury: EPA 7470A for Water and Groundwater / EPA 245.1 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Mercury	ND		1.0	0.0002	mg/L	12/13/2007	WHG071213	12/13/2007	WHG071213

Analyzed by: RWipfler
Reviewed by: HDINH

Metals by ICP: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Antimony	**0.011**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Arsenic	**0.072**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Barium	**2.4**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Beryllium	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cadmium	**0.0070**		1.0	0.0020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Chromium	**0.61**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Cobalt	**0.17**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Copper	**0.64**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Lead	**0.86**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Molybdenum	**0.022**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Nickel	**0.50**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Selenium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Silver	ND		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Thallium	ND		1.0	0.020	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Vanadium	**0.58**		1.0	0.0050	mg/L	12/12/2007	WM071212	12/13/2007	WM071212
Zinc	**1.5**		1.0	0.010	mg/L	12/12/2007	WM071212	12/13/2007	WM071212

Analyzed by: CTran
Reviewed by: HDINH

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