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1:18 pm, Jun 01, 2007

Alameda County
Environmental Health

ConocoPhillips
76 Broadway
Sacramento, California 95818

May 31, 2007

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502

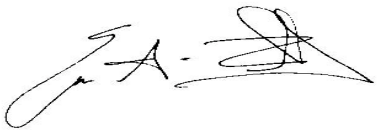
Re: **Response to Agency Comments**
Former 76 Service Station #7004
15599 Hesperion Boulevard
San Leandro, Alameda County, CA

Dear Mr. Wickham:

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

If you have any questions or need additional information, please call me at (916) 558-7604.

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

SECOR
INTERNATIONAL
INCORPORATED

www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

May 31, 2007

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: **Response to ACHCSA's Comments and Request for Site Closure**
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California 94579
Fuel Leak Case No. RO0000371/Geotracker Global ID T0600101451

Dear Mr. Wickham:

On behalf of ConocoPhillips, SECOR International, Incorporated (SECOR) has prepared this response to comments presented in a letter by the Alameda County Health Care Services Agency (ACHCSA) dated April 5, 2007 (Attachment 1) in reference to former 76 Service Station No. 7004 (the "site"), located at 15599 Hesperian Boulevard, San Leandro, California (Figure 1). The ACHCSA's comments were authored in response to the submittal of SECOR's *No Further Action Analysis and Human Health Risk Assessment* dated October 6, 2006, and *No Further Action Required (NFAR) and Request for Site Closure* report dated November 6, 2006. SECOR has addressed each of the ACHCSA's comments numerically below.

(1) ***Downgradient Irrigation Well.*** *A Caltrans irrigation well that was recently identified by field observation near the intersection of Lewelling Boulevard and Interstate 880, is a potential receptor for groundwater contamination from the site. We request that you evaluate whether this well is currently impacted by groundwater contamination and the potential for this well to be further affected in the future. MTBE was detected at concentrations ranging from 16 to 57 micrograms per liter (µg/L) in grab groundwater samples collected from each of the soil borings in the downgradient transect (SB34 through SB37). These borings (SB-34 through SB37) appear to be approximately 100 to 200 feet upgradient from the irrigation well, which appears to be located approximately 400 feet west of the fuel release. In order to more accurately define the location of the irrigation well, we request that you show the Caltrans irrigation well on a more detailed site map with a scale similar to Figure 2 – Site Plan in the "No Further Action Required (NFAR) and Request for Site Closure", dated November 6, 2006. No well construction details are presented in the reports that identify this well to indicate the vertical interval from which this well extracts groundwater. The evaluation of the potential for the irrigation well to be a receptor is to include information on well construction and the current and projected future use of the well. The evaluation may also include sounding of the well to confirm the total depth and collection and analysis of a water sample from the well to evaluate whether the well is currently impacted. Updating of fate and transport estimations to specifically consider the irrigation well may also be considered in*

the evaluation. Please present the results of this evaluation in the Response to Agency Comments requested below.

On April 11, 2007, SECOR contacted the State of California, Department of Transportation (Cal-Trans) Maintenance Division of Alameda County for additional information pertaining to the construction, status, and location of the Cal-Trans well that was observed in the field, and for permission to access the well to measure groundwater levels and collect a groundwater sample. Mr. Jerry Cooper, Landscape Supervisor of the area, confirmed that what was previously observed by SECOR personnel in the field (above-ground piping cased in concrete with an electrical feed connected to the piping) was actually piping connected to an eight-inch diameter water line historically used to transport reclaimed water to the area adjacent to the Target Property for irrigation purposes. The pump station for this reclaimed water is still present, and is located near the north-bound Interstate 880 on-ramp from Lewelling Boulevard. The pump, however, was disconnected and capped in place about four to five years ago. The source of this reclaimed water was located in the City of Pleasanton, and the reclaimed water was historically pipelined from that area to the Cal-Trans right-of-way adjacent to the Target Property.

Because it has been discovered that there is no Cal-Trans irrigation well located in the vicinity of the site, the submittal of information requested by the ACHCSA (a figure further detailing the location of the Cal Trans irrigation well in proximity of the site, well construction details, current and projected use of the well, obtaining measurements of depth to groundwater and depth to bottom of the well and a groundwater sample for laboratory analysis, and fate and transport estimations) is not applicable.

(2) ***Locations of Former Gas Dispensers and USTs.*** *USTs and fuel distribution systems appear to have operated at the site since 1967. Please describe the historic locations of USTs, dispensers, and product piping since 1967.*

On April 18, 2007, SECOR researched the City of San Leandro Community Development Department's (CSLCDD) files in search of historical information pertaining to the locations of previous generations of subsurface fuel-related structures. SECOR additionally contacted the Alameda County Fire Department (ACFD), the ACHCSA, and the City of San Leandro Fire Department (CSLFD). The ACFD indicated that any historical records that they would have possessed for the site would have been turned over to the ACHCSA, and the ACHCSA indicated that they did not have any historical records for the site that predated the opening of the active case at the site in 1990. The CSLFD indicated that any historical records that they would have possessed pertaining to the site would have been turned over to the City of San Leandro. On May 1, 2007, SECOR researched the City of San Leandro Environmental Services' (CSLES) files in search of historical information pertaining to the locations of previous generations of subsurface fuel-related structures. Plans obtained from the CSLCDD and CSLES dated March 29, 1966; April 26, 1973; June 30, 1976; February 9, 1990; and October 6, 1991 for the former station that was previously operated by Gemco Department Stores, and subsequently operated by UNOCAL, show that the general locations of the former gasoline USTs and product dispensers did not change throughout the historical operation of the site as a gasoline service station since 1967. Product piping was shown on the plans dated April 26, 1973 and February 9, 1990 in the same approximate location depicted by Gettler-Ryan in their

September 8, 2000 *Underground Storage Tank and Product Piping Removal Report for Former Tosco 76 Service Station No. 7004, 15599 Hesperian Boulevard, San Leandro, California.* Copies of the historical plans for the former service station are included in Attachment 2.

(3) ***Lead in Groundwater.*** *Lead was detected in grab groundwater samples collected from borings SB1 through SB23 at concentrations ranging from less than 5 to 430 µg/L. The California Primary Maximum Contaminant Level for lead in drinking water is 15 µg/L. The lowest aquatic habitat goal for lead in water is 2.5 µg/L (San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels February 2005). Lead was not detected in groundwater samples collected from several monitoring wells in December 2005; however, the reporting limit was 50 µg/L. In the Response to Agency Comments requested below, please discuss these results and evaluate whether elevated concentrations of lead are present in site groundwater and whether lead in groundwater poses a potential risk to human health or the environment.*

As stated in SECOR's October 5, 2005 *Site Assessment Report Dated October 5, 2005,* the results of total lead (Environmental Protection Agency [EPA] Method 6010B) for grab groundwater samples collected from borings SB-1 through SB-21 and SB-23 were not considered representative of subsurface site conditions. These groundwater samples were improperly submitted to the laboratory in preserved hydrochloric acid vials. SECOR recommended the collection and analysis of groundwater samples from the monitoring well network in appropriate unpreserved containers for filtration in the laboratory and analysis for total lead by EPA Method 6010B during the fourth quarter 2005. Groundwater samples were subsequently collected from wells MW-1 through MW-6 and RW-1 in December 2005, and properly submitted for analysis of total lead by EPA Method 6010B. The analyte was not present in the wells at or above a reporting limit of 50 µg/L.

To further evaluate the presence of dissolved lead in groundwater, groundwater samples were collected from the current monitoring well network by TRC Solutions as part of the second quarter 2007 monitoring and sampling event on April 24, 2007. The groundwater samples were properly collected and analyzed in accordance with the sampling methodology communicated by the laboratory, including delivery to the laboratory within 24 hours of collection for filtration and preservation. The samples were submitted for analysis of dissolved lead by EPA Method 6020, and the laboratory was requested to report results at or above 1.0 microgram per liter (µg/L), which is below the California Primary Maximum Contaminant Level of 15 µg/L and below the Regional Water Quality Control Board – San Francisco Bay Region's (RWQCB-SFBR) lowest aquatic habitat goal of 2.5 µg/L. Results indicated that dissolved lead was not present in the samples at or above the laboratory method detection limit of 1.0 µg/L. The certified laboratory analytical report and chain-of-custody documentation are included in Attachment 3. These results are considered representative of groundwater conditions.

SECOR submits that the three issues identified by the ACHCSA as requiring further investigation have been satisfactorily evaluated, and this site presents low risk to human health and the environment. Subsequent quarterly monitoring data since the initial closure request indicates generally declining concentrations of petroleum hydrocarbons and MTBE, and the most recent concentrations are below both primary and secondary MCLs. Therefore, SECOR

requests that the site be granted closure. Upon approval of closure, SECOR will properly destroy the site groundwater monitoring wells, and request a final closure letter.

LIMITATIONS AND CERTIFICATION

This report was prepared in accordance with the scope of work outlined in SECOR's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of ConocoPhillips, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to SECOR. To the extent that this report is based on information provided to SECOR by third parties, SECOR may have made efforts to verify this third party information, but SECOR cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied, are made by SECOR.

Prepared by:

Kristen Flesoras
Associate Scientist

Information, conclusions, and recommendations provided by SECOR in this document regarding the Former 76 Service Station 7004, 15599 Hesperian Boulevard, San Leandro, California have been prepared under the supervision of and reviewed by the Licensed professional whose signature appears below.

Licensed Approver:

Name: **Diane Barclay**
Certified Hydrogeologist No. 34

Signature:

Date: **May 31, 2007**

Stamp:

PROFESSIONAL GEOLOGIST
DIANE M. BARCLAY No. HG 34 CERTIFIED HYDRO GEOLOGIST
STATE OF CALIFORNIA

Attachments: Figure 1 Site Plan

Attachment 1 Regulatory Correspondence
Attachment 2 Plans Depicting Historical Service Station Layout
Attachment 3 Certified Laboratory Analytical Report and Chain-of-Custody Documentation

cc: Erik Hetrick, ConocoPhillips Company

FIGURE

LEGEND:

- MW-10 GROUNDWATER MONITORING WELL
- RW-1 AQUIFER TESTING WELL
- SB-23 SOIL BORING
- HEAVY DUTY PAVEMENT

TARGET

DEPRESSED TRUCK DOCK

PROPOSED PARCEL LINE

BOLLARD (TYP.)

OUTPARCEL 1

TRASH ENCLOSURE

BUILDING LIMIT LINE

PAD 1
3550 SQ. FT.

FORMER UNDERGROUND STORAGE TANKS REMOVED 2000

PREVIOUS KRAGEN AUTO PARTS

KIOSK

FORMER DISPENSER ISLANDS

CONCRETE WALK

PLANTER

DRIVEWAY

HESPERIAN BOULEVARD

EAST LEWELLING BOULEVARD

SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, SB-21, SB-22, SB-23, SB-24, SB-26, SB-27, SB-28, SB-29, SB-30, SB-32, SB-33, SB-34, SB-35, SB-36, SB-37

MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW8, MW-9, MW-10

RW-1

G-1, G-2, G-3, G-4, G-5

N

0 50 100
SCALE IN FEET

REFERENCE: PRELIMINARY SITE PLAN EXHIBIT "A" PREPARED FOR WAL-MART STORES, PROVIDED BY MR. BOB CLARK-RIDDELL.

SECOR
3017 KILGORE ROAD, SUITE 100
RANCHO CORDOVA, CALIFORNIA
PHONE: (916) 861-0400/861-0430 (FAX)

FOR:
FORMER 76
SERVICE STATION NO. 7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA

SITE PLAN

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77CP.01631.00	MDR	DMB	DMB	06/29/06

ATTACHMENT 1
REGULATORY CORRESPONDENCE

Response to ACHCSA's Comments and Request for Site Closure
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.14

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

April 5, 2007

Mr. Erik Hetrick
ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

Ms. Paula Kamena
Kamena, Maionchi, and Freschi
11 Sagebrush Court
San Rafael, CA 94901

Ms. Shelly Eisaman
Wells Fargo Bank, N.A.
Brunetti Trust
420 Montgomery Street, 3rd Floor
San Francisco, CA 94104

Subject: Fuel Leak Case No. RO0000371 and Geotracker Global ID T0600101451, Unocal #7004, 15599 Hesperian Boulevard, San Leandro, CA 94579

Dear Mr. Hetrick, Ms. Kamena, and Ms. Eisaman:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted correspondence entitled, "No Further Action Analysis and Human Health Risk Assessment," dated October 6, 2006, and "No Further Action Required (NFAR) and Request for Site Closure," dated November 6, 2006. The "No Further Action Required (NFAR) and Request for Site Closure," dated November 6, 2006 presents a summary of site background, historic investigation and cleanup data and presents the rationale for site closure. Based on our review of the case file, three issues were identified which require further information and evaluation prior to consideration of case closure. Therefore, we request that you address the following technical comments and send us the reports described below.

TECHNICAL COMMENTS

1. **Downgradient Irrigation Well.** A Caltrans irrigation well that was recently identified by field observation near the intersection of Lewelling Boulevard and Interstate 880, is a potential receptor for groundwater contamination from the site. We request that you evaluate whether this well is currently impacted by groundwater contamination and the potential for this well to be further affected in the future. MTBE was detected at concentrations ranging from 16 to 57 micrograms per liter (µg/L) in grab groundwater samples collected from each of the soil borings in the downgradient transect (SB34 through SB37). These borings (SB34 through SB37) appear to be approximately 100 to 200 feet upgradient from the irrigation well, which appears to be located approximately 400 feet west of the fuel release. In order to more accurately define the location of the irrigation well, we request that you show the Caltrans irrigation well on a more detailed site map with a scale similar to Figure 2 - Site Plan in the "No Further Action Required (NFAR) and Request for Site Closure," dated November 6, 2006. No well construction details are presented in the reports that identify this well to

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TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **June 5, 2007** – Response to Agency Comments

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Gary Ragghianti, Ragghianti Freitas LLP, 874 Fourth Street, Suite D, San Rafael, CA 94903

Alan Guttenberg, Guttenberg, Rapson, and Colvin LLP, 101 Lucas Valley Road, Suite 216, San Rafael, CA 94903

Ladd Calhoun, Law Office of John D. Edgcomb, 115 Sansome Street, Suite 805, San Francisco, CA 94104

Daniel J. Barry, Stein & Lubin, LLP, Transamerica Pyramid, 600 Montgomery Street, 14th Floor, San Francisco, CA 94111

Michael DiGeronimo, Esq., Miller Starr & Regalia, 1331 N. California Blvd., Fifth Floor, Walnut Creek, CA 94596

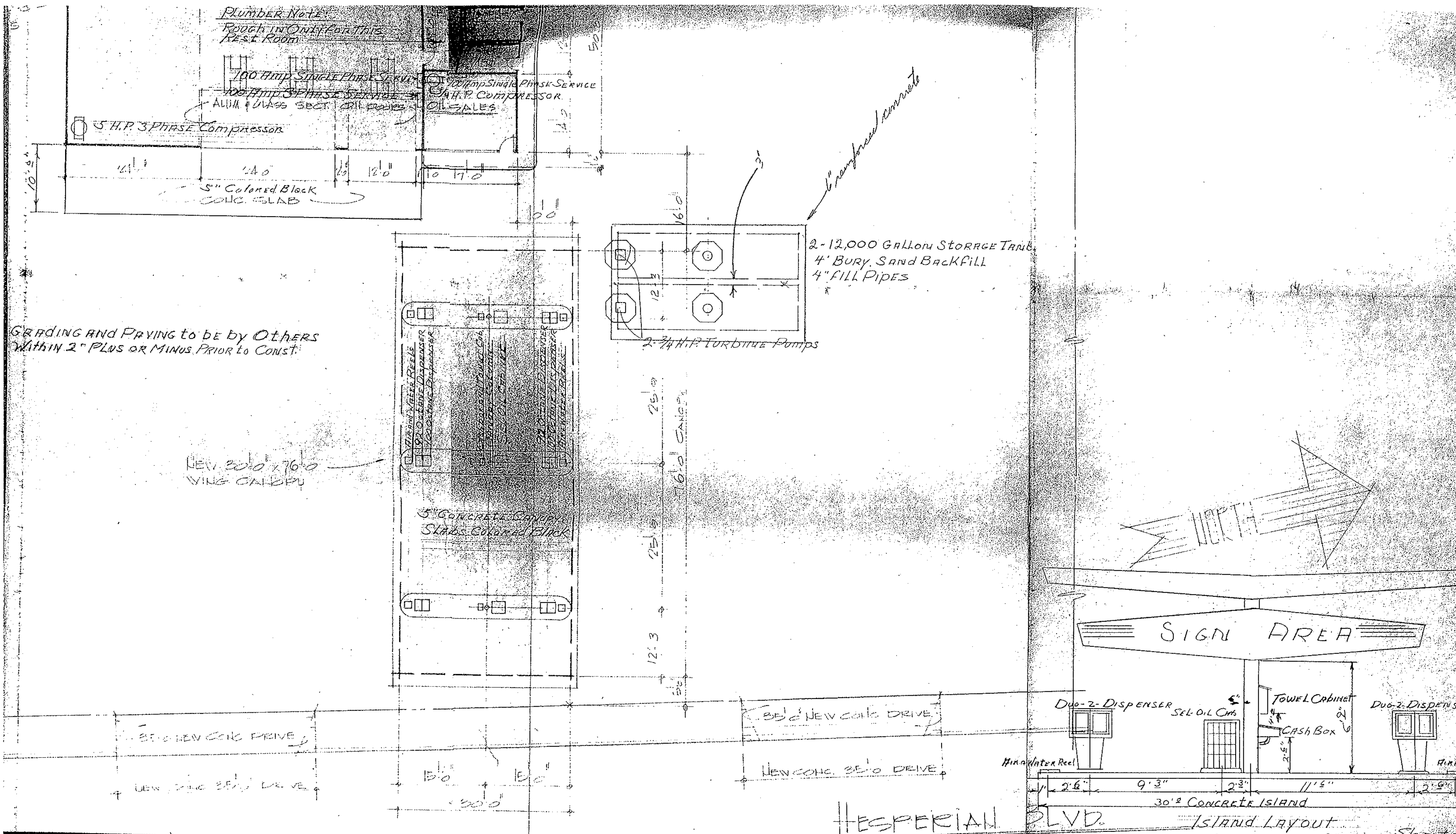
Diane Barclay, SECOR International, Inc., 3017 Kilgore Road, Suite 100, Rancho Cordova, CA 95670

Bob Clark-Ridell, Pangea Environmental Services, Inc., 1710 Franklin Street, Suite 200, Oakland, CA 94612

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ATTACHMENT 2
PLANS DEPICTING HISTORICAL SERVICE STATION LAYOUT

Response to ACHCSA's Comments and Request for Site Closure
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.14

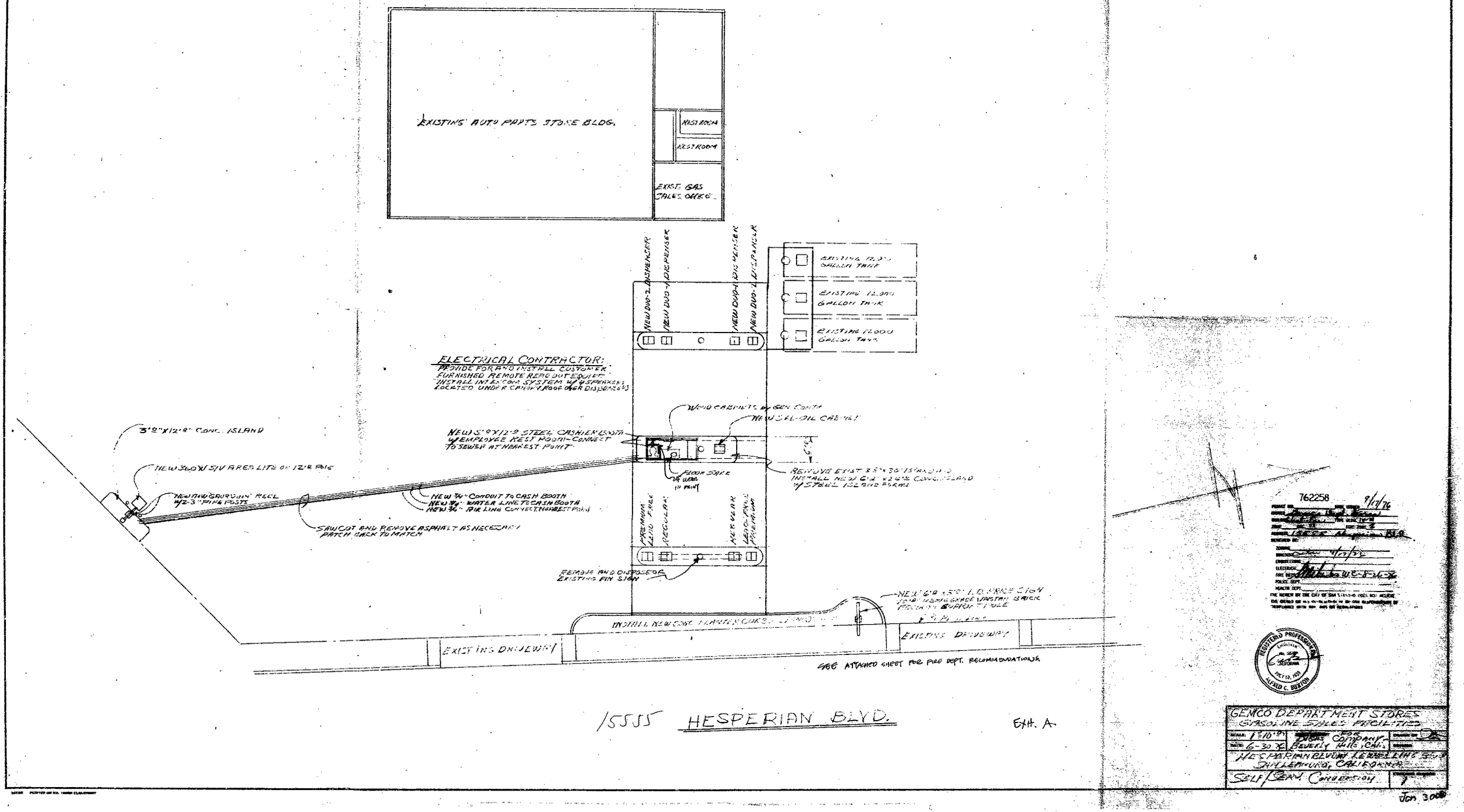

Plumber Note:
Rough in Only For This Rest Room
100 Amp Single Phase Service
100 Amp 3 Phase Service
100 Amp Single Phase Service
3/4 H.P. Compressor
Alum & Glass Sect | Oil Rooms | Oil Sales
5 H.P. 3 Phase Compressor
5" Colored Block Conc. Slab
2-12,000 Gallon Storage Tank
4' Bury, Sand Backfill
4" Fill Pipes
2-3/4 H.P. Turbine Pumps
6" reinforced concrete
Grading and Paving to be by Others Within 2" Plus or Minus Prior to Const.
New 30'-0" x 76'-0" Wing Canopy
5" Concrete Canopy Slabs Colored Black
76'-0" Canopy
35'-0" New Conc Drive
New Conc. 35'-0" Drive
Hesperian Blvd.
North
Sign Area
Duo-2-Dispenser
Sel. Oil Cab
Towel Cabinet
Cash Box
Air & Water Reel
30'-0" Concrete Island
Island Layout
Scale 1/4" = 1'-0"

Date	By	Chk'd	Revision	No.
[illegible]-66	DWC		Dim of Canopy Changed	5
[illegible]	N.		Removed Roof Over hang	4
[illegible]	RCO		Chg Bldg	3
[illegible]-66	RCO		Chng Dim. of Doors & RR's.	2
[illegible]-66	RCO		Add Elev	1

BESTEEL CO.
design + fabrication + erection
18233 E. Railroad Street, Box 3196, City of Industry, California
L.A. City Fabricators Lic. 223, Telephone (213) 964-2327, (213) 283-4103

Architect or Engineer
Contractor
Reference Jobs

Customer: Gemco Stores
Job Address: Lewelling & Hesperian
City: San Leandro, Calif.
Drawn by: RCO
Date: 5-17-6[illegible]
Checked by:
Sheet Title:
Drawing No.: [illegible]



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EXIST. GAS SALES OFFICE

REBUILT DUO DISP. PREMIUM

REBUILT DUO DISP. REGULAR

REBUILT DUO DISP. REGULAR

REBUILT DUO DISP. PREMIUM

EXIST. 12,000 GALLON REGULAR

EXIST. 12,000 GALLON PREMIUM

SAWCUT AND REMOVE NECESSARY CONCRETE FOR NEW INSTALLATIONS - PATCH TO MATCH EXIST.

FURNISH AND INSTALL ALL NECESSARY CONDUIT AND WIRING TO ACCEPT 8 DUAL DISPENSERS W/ VEEDER ROOT READ OUT EQUIPT. AND INTERCOM AT 4 SPEAKERS SPEAKERS MOUNT ON OUTS. DE CANOPY COLUMNS

TIE 2 EXIST. PRODUCT LINES TOGETHER AT PREMIUM TANK - INSTALL 2" PRODUCT LINE FOR REGULAR

NEW 5'X12' STEEL CASHIER BOOTH

NEW EMPLOYEE REST ROOM

NEW 6'0" X 24'0" CONC. ISLAND

6'0"

SAWCUT FOR AND REMOVE EXIST. 4'0" CONC. ISLAND AND SLAB FOR NEW 6'0" ISLAND - PATCH SLAB TO MATCH

NEW 3/4" ELECT. CONDUIT TO CASH BOOTH
NEW 3/4" WATER LINE - CONNECT TO EXIST.
NEW 3/4" AIR LINE CONNECT TO EXIST.

CUT AND REMOVE ASPHALT AS NECESSARY
CH BACK AS NECESSARY

REMOVE AND DISPOSE OF EXIST. METAL SIGN

NEW 10'X10' I.D. PRICE SIGN PLASTIC DISPLACED 15'H SQUARE GRADE

PROP. LINE

EXISTING DRIVEWAY

EXISTING DRIVEWAY

HESPERIAN BLVD.

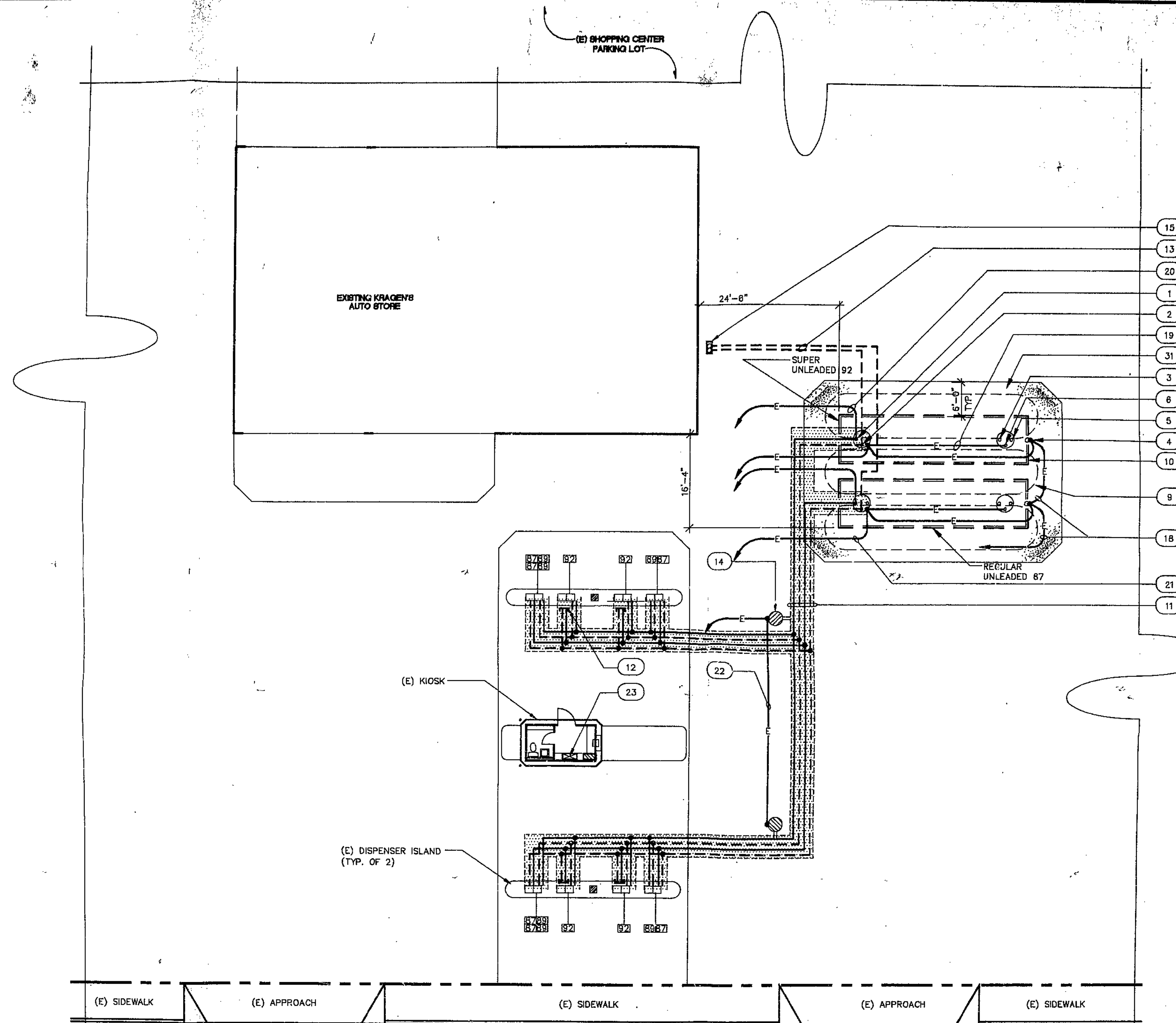
GEMCO DEPARTMENT STORES
GASOLINE SALES FACILITY

SCALE: 1" = 10'0"	ARCHITECT: FOR DIGAS COMPANY BEVERLY HILLS, CALIF.	DRAWN BY: Slm
DATE: 4-26-77		REVISED:

15555 → HESPERIAN BLVD. AT LEWELLING Blvd. SAN LEANDRO, CALIFORNIA

SELF/SERV. CONVERSION

DRAWING NUMBER 1



DRAWING INDEX

DWG. NO.	DESCRIPTION
	SCOPE OF WORK
1.1	GENERAL ARRANGEMENT
1.02	PETROLEUM EQUIPMENT LIST
J-0	GENERAL SPECIFICATIONS, PIPING AND TESTING
J-1.0	PETROLEUM PIPING DETAILS
J-4.0	DOUBLE WALL STEEL UNDERGROUND STORAGE TANKS
J-5.0	CONCRETE TANK SLAB DETAILS-PRODUCT TANKS
J-6.0	SPECIFICATIONS FOR REMOVAL AND DISPOSAL OF UNDERGROUND FUEL TANKS
J-9.0	DOUBLE WALL TANK INSTALLATION WITH FLOAT VENT VALVES GASOLINE ONLY
J-10.0	PETROLEUM PIPING AND TANK DETAILS
J-20.3	A.O. SMITH FIBERGLASS SECONDARY CONTAINMENT SYSTEM
J-21.1	LEAK ALERT DETECTOR SYSTEM
F1-7004 1.1	EXISTING FACILITY

GENERAL NOTES:

1. UNION OIL COMPANY SHALL FILE, OBTAIN AND PAY FOR TANK AND A.P.C.D. PERMITS. CONTRACTOR SHALL PICK UP TANK PERMITS.
2. ALL PIPING AND ELECTRICAL RUNS ARE SHOWN SCHEMATICALLY. THE BEST ROUTE SHOULD BE DETERMINED IN THE FIELD AND INSTALLED ACCORDING TO NATIONAL, STATE, AND LOCAL CODE REQUIREMENTS.
3. CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND PRIOR TO BEGINNING OF JOB, WHETHER APPLIED FOR BY THE CONTRACTOR OR NOT.
4. CONTRACTOR TO PERFORM TANK AND LINE TESTS AS REQUIRED BY LOCAL JURISDICTIONS AFTER LAYING FINISH GRADE ASPHALT OR CONCRETE SLABS ON TANKS AND PETROLEUM TRENCHES. CONTACT HEALTH DEPARTMENT AND FIRE DEPARTMENT IF APPLICABLE AND UNOCAL REPRESENTATIVE, FORTY-EIGHT (48) HOURS PRIOR TO TEST.
5. ONLY NUMBERED NOTES CALLED OUT ON THE GENERAL ARRANGEMENT ARE APPLICABLE.

(1) USE STAND GR. LUMBER OR BETTER
(2) PLASTIC PIPE - NOT ALLOWED
(3) PROVIDE ATTIC & FOUNDATION ACCESS
(4) PROVIDE ATTIC & FOUNDATION VENTILATION
(5) PERMITS REQUIRED FOR PLUMB, MECH, & ELECT.
(6) PROVIDE HEAT TO 70° (a) 3' ABOVE FLR.
(7) USE CODES 1988 UBC, UPC & UMC, & 1987 NEC
(8) SMOKE DET'S REQUIRED AS PER SEC. 1210 (A)

9[redacted]833	10/10/90
permit [redacted]	date issued

ADDRESS 15599 Hesperian Blvd.
OWNER Unocal BUILDER
ZONE C-2 OCC M1 TYPE
REVIEWED BY:
PLANNING OTHER
ELECTRICAL
ENGINEERING FIRE DEPT
BUILDING REGULATIONS DIV. 9/10/90
Review by the City of San Leandro does not relieve owner or his representative of any responsibility or compliance with any laws or regulations.

RECEIVED SAN LEANDRO
SEP 10 1990
BUILDING REGULATIONS DIV.

REGISTERED ARCHITECT
BRIAN FRANK ZITA
C 018210
STATE OF CALIFORNIA

NOTES

PETROLEUM

1. SUBMERGED PUMP (TYP. 2)
2. ISLAND VAPOR RETURN AND TANK VENT (TYP. 2)
3. TRUCK VAPOR RETURN (TYP. 2)
4. ANNULAR SPACE MONITORING PORT (TYP. 2)
5. TANK FILL (TYP. 2)
6. FUTURE TANK GAUGE (TYP. 2)
7. ~~TANK VENT~~
8. ~~PUMP OUT AND DRAIN FILL~~

PRODUCT TANKS

9. GAS FREE AND REMOVE EXISTING (3) 12,000 GAL. STEEL TANKS.
10. INSTALL (2) NEW 12,000 GAL. DOUBLE WALL STEEL UNDERGROUND PRODUCT STORAGE TANKS.

11. INSTALL 2" DIA. FIBERGLASS PRODUCT LINES WITH 3" CONTAINMENT LINES AND 2" DIA. VAPOR RECOVERY LINES (SEE SHEET J-20.3). SLOPE 1/4" PER 1'-0" TOWARD TANKS.
EACH TANK MUST HAVE ITS OWN PRODUCT LINE AND VAPOR RECOVERY LINES UNLESS OTHERWISE NOTED. SEE SHEETS J1.0, J-9, AND J-10 FOR CONNECTIONS TO TANK AND DISPENSERS.
12. STUB UP AND CAP PRODUCT AND VAPOR RECOVERY LINES BENEATH DISPENSER FOR FUTURE USE.
13. INSTALL NEW 2" DIA. FIBERGLASS VENT LINE FROM NEW TANK TO EXISTING VENT RISER. SLOPE 1/4" PER 1'-0" TOWARD TANK. EACH TANK MUST BE INDEPENDENTLY VENTED. SEE SHEET J-10.0 FOR CONNECTIONS TO TANK AND VENT RISERS.
14. INSTALL (2) SECONDARY CONTAINMENT PIPING MONITORING STATIONS. SEE DWG. J-20.3.
15. EXISTING 2" DIA. GALVANIZED VENT RISERS. INSTALL NEW VENT RISERS (IF NONE PRESENT) OR REPLACE EXISTING (ONLY IF EXISTING CANNOT BE REUSED). SEE DETAIL 6, SHEET J-10.0.

~~WASTE OIL TANK~~

16. ~~GAS FREE AND REMOVE EXISTING 280 GAL. WASTE OIL STORAGE TANK.~~
17. ~~INSTALL NEW 520 GAL. DOUBLE WALL STEEL WASTE OIL STORAGE TANK.~~

ELECTRICAL

18. INSTALL LEAK ALERT LEAK DETECTION SYSTEM PER MANUFACTURER'S INSTRUCTIONS. LOOP CONDUIT BETWEEN ANNULAR SPACE AND SUBMERSIBLE PUMP SUMPS. RUN 1" CONDUIT AND CONDUCTOR TO INTERIOR FACE OF NEAREST WALL AND RUN OVERHEAD TO ALARM PANEL. CONCEAL CONDUIT AS MUCH AS POSSIBLE WHEN ABOVE GROUND. (FOR ANNULAR SPACE AND SUBMERSIBLE PUMP SUMP MONITORING).
19. LOOP CONDUIT AND CONDUCTOR TO SUBMERGED PUMP JUNCTION BOX. CAP AND LABEL FOR FUTURE TANK GAUGE.
20. 1" SUBMERSIBLE PUMP CONDUIT-ONE DEDICATED CONDUIT EACH PUMP.
21. RUN 1" CONDUIT TO INTERIOR FACE OF NEAREST WALL AND RUN OVERHEAD. STUB UP AND CAP ADJACENT TO ELECTRICAL PANEL. CONCEAL AS MUCH AS POSSIBLE WHEN ABOVE GROUND. (LABEL FOR FUTURE TANK GAUGE ONE FOR EACH TANK).
22. LOOP CONDUIT BETWEEN PIPING MONITORING STATIONS (WHEN PRACTICAL). RUN 1" CONDUIT TO INTERIOR FACE OF NEAREST WALL AND RUN OVERHEAD. STUB UP AND CAP ADJACENT TO ELECTRICAL PANEL. CONCEAL AS MUCH AS POSSIBLE WHEN ABOVE GROUND (LABEL FOR FUTURE ELECTRONIC PIPING MONITOR).
23. MOUNT LEAK ALERT ANNUNCIATOR PANEL ADJACENT TO EXISTING ELECTRICAL PANEL. CONTRACTOR TO VERIFY LOCATION.
24. ~~CONTRACTOR TO VERIFY CONDITION OF ISLAND BELL SYSTEM AND RESTORE SYSTEM IF NON-OPERATIONAL OR INSTALL NEW SYSTEM IF NONE EXISTS.~~
25. ~~FOR NEW INSTALLATIONS INSTALL 1/8" DIA. SIGNAL BELL PIPE FROM DISPENSER ISLANDS TO INTERIOR FACE OF SERVICE STATION LUBE AREA WALL AND STUB UP 6" ABOVE FINISHED FLOOR. SEE DETAILS, DRAWING J-23.~~
26. ~~PROVIDE AND INSTALL ALL MATERIALS NECESSARY FOR A COMPLETE AND OPERATING ISLAND SIGNAL BELL SYSTEM.~~
27. ~~RUN (2) 1" CONDUITS FROM EACH DISPENSER (ON ISLANDS INDICATED TO BE EXTENDED) TO INTERIOR FACE OF BLDG. STUB UP AND CAP (1) CONDUIT PER DISPENSER AND RUN (1) CONDUIT PER DISPENSER OVERHEAD TO THE ELECTRICAL PANEL. CONCEAL CONDUIT AS MUCH AS POSSIBLE WHEN ABOVE GROUND.~~
28. ~~INSTALL "LEAK ALERT" LEAK DETECTION SYSTEM TO MONITOR WASTE OIL TANK ANNULAR SPACE. RUN 1" CONDUIT FROM TANK ANNULAR SPACE TO INTERIOR FACE OF NEAREST WALL AND RUN OVERHEAD TO ALARM PANEL. CONCEAL AS MUCH AS POSSIBLE WHEN ABOVE GROUND.~~
29. ~~RUN (1) 1" CONDUIT FROM WASTE OIL TANK SUMP J-BOX FOR FUTURE IN TANK LEVEL SENSOR AND STUB UP AT INTERIOR FACE OF WALL ADJACENT TO ELECTRICAL PANEL. (LABEL FOR FUTURE TANK GAUGE).~~

CONCRETE SLAB

30. ~~SAWCUT EXISTING SLAB AND REPLACE WITH 6" REINFORCED CONCRETE SLAB. SEE DWG. J-5.1.~~
31. 6" REINFORCED CONCRETE SLAB. SEE DWG. J-5.0.

DISPENSER ISLAND

32. ~~REMOVE THE EXISTING DISPENSER ISLAND AND INSTALL NEW DISPENSER ISLAND PER DETAIL SHEET J-23.~~
33. ~~INSTALL CRASH HOOPS ON EITHER SIDE OF THE DISPENSER ISLAND PER DETAIL SHEET J-23.~~
34. ~~EXTEND THE EXISTING DRIVE SLAB 5'-0" BEYOND EITHER ISLAND END PER DETAIL SHEET J-23.~~

NORTH

	INT.	DATE	REVISED DATE	REVISIONS	REV. BY	APP.
PRELIMINARY						
PLANNING						
STEEL						
BLDG. PERMIT						
GENERAL BID	ZG	2/16				
PERMIT REV'S.						

DESTROY ALL PRINTS BEARING EARLIER DATE

ROBERT H. LEE & ASSOCIATES
ARCHITECTURE PLANNING ENGINEERING

GENERAL ARRANGEMENT

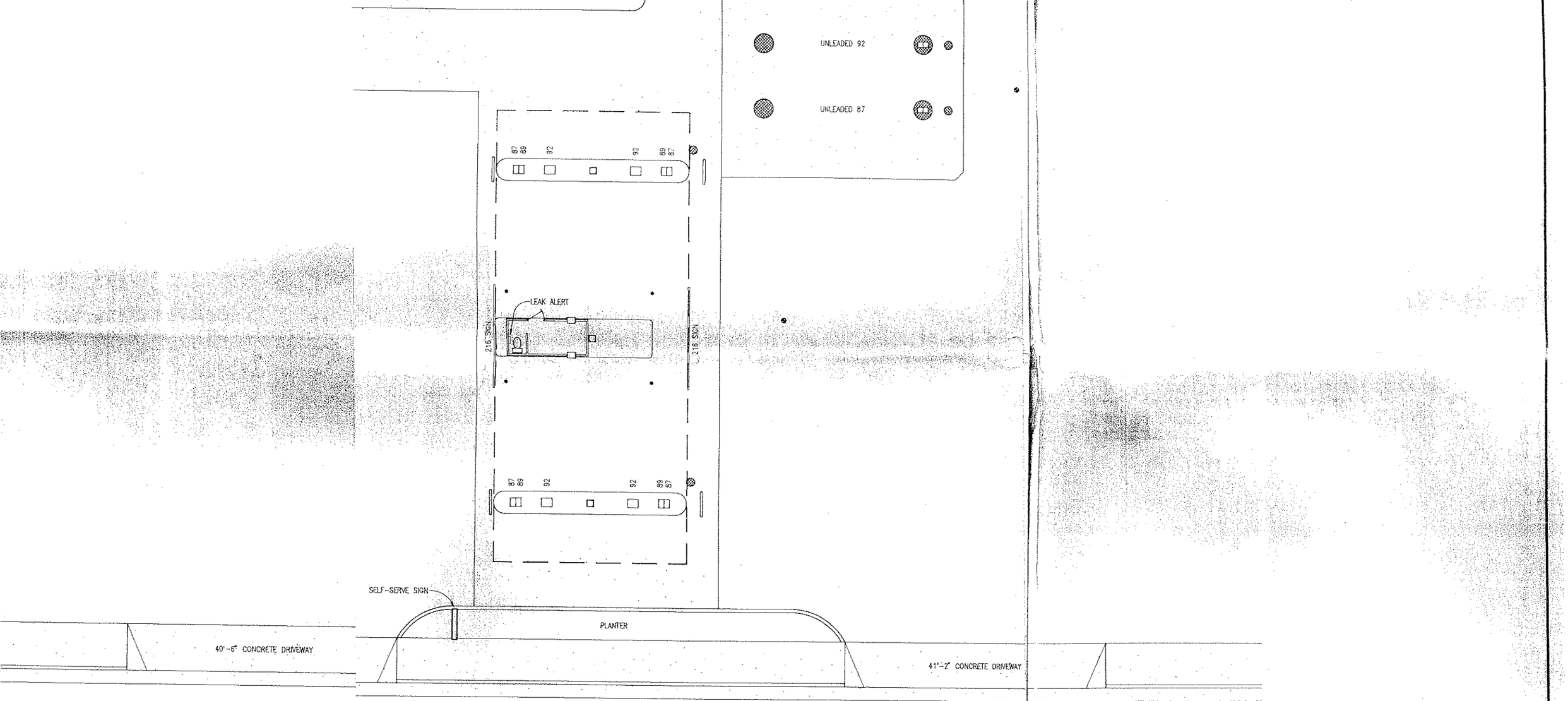
TANK REPLACEMENT

UNOCAL SERVICE STATION # 7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA
RHL # 1655

UNOCAL REFINING & MARKETING DIVISION
UNOCAL 76

DRAWN: T. LUM/KJ
SCALE: 1"=10'-0"
APPROVED
DATE: 02/09/90
1.1

DRAWING No. 16551 01/26/90



Features & text shown on this drawing are for general reference only and must be field verified.

. (2) GILBARCO SINGLE ACBBAABA00001

A	AREA LIGHT	P	PRODUCT LINE	W	WATER LINE
B	REMOTE AIR/WATER UNIT	VP	VAPOR RECOVERY LINE	S	SEWER LINE
●	MONITORING WELL	VN	VENT LINE	E	ELECTRICAL LINE
TS	TRAFFIC SIGNAL	CO	CLEAN-OUT		
TSPB	TS PULL BOX	FD	FLOOR DRAIN		
HB	HOSE BIBB	T	TELEPHONE LINE		

REV. NO.	DATE	REVISED — DESTROY ALL PRINTS BEARING EARLIER DATE	REV. BY	CKD BY	APP'D

DRAWN BY CHP
CHECKED BY
APPROVED
DATE 10-6-91
SCALE 1" = 10'

SERVICE STATION 7004

15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA
GENERAL ARRANGEMENT

Unocal Refining & Marketing Division
UNOCAL 76

DRAWING NO.

SHEETS SHEET

ATTACHMENT 3
CERTIFIED LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Response to ACHCSA's Comments and Request for Site Closure
Former 76 Service Station No. 7004
15599 Hesperian Boulevard
San Leandro, California
SECOR Project No.: 77CP.01631.14

BC LABORATORIES, INC.

Date of Report: 05/11/2007

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 7004
BC Work Order: 0704768

Enclosed are the results of analyses for samples received by the laboratory on 04/24/2007 22:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

#07-04768

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

Bill to: Conoco Phillips/ TRC

Address: 15599 Hesperian Boulevard

City: San Leandro

State: CA **Zip:**

Conoco Phillips Mgr: Eric Hetrick

Consultant Firm: TRC

21 Techology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan

4-digit site#: 7004

Workorder # 01631-4507923498

Project #: 4060001

Sampler Name: Ray / Chris

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8016M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	EDB/EDC by 8260B	Dissolved lead		Turnaround Time Requested
		MW-7-1		GW					X	X	X	X	X		STD
		MW-8-2		↓					X	X	X	X	X		↓
		MW-9-3		↓					X	X	X	X	X		↓
		MW-10-4		↓					X	X	X	X	X		↓

DISTRIBUTION
SUB-OUT □

Comments: Detection limit for dissolved lead 2.5ppb

GLOBAL ID: T0600101451

Relinquished by: (Signature)	Received by:	Date & Time
Royal McDonald	Ross Duckay	4-24-07 1420
Ross Duckay 4/24/07	R Ruyu	4-24-07 1930
R Ruyu 4-24-07 2235	[signature]	4/24/07 2235

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

07-04768

BC LABORATORIES, INC.
4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm: TRC**
Address: 15599 Hesperian Boulevard	**21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan**
City: San Leandro	**4-digit site#:** 7004
	Workorder # 01631-4507923498
State: CA **Zip:**	**Project #:** 41060001
Conoco Phillips Mgr: Eric Hetrick	**Sampler Name:** Ray / Chris

MATRIX
(GW) Groundwater
(S) Soil
(WW) Wastewater
(SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	BTEX/MTBE/TBA by 8260	Dissolved Lead		Turnaround Time Requested
		MW-1 -5	04-24-07	GW						X	X	X	X		STD
		MW-2 -6													
		MW-3 -7													
		MW-4 -8													
		MW-5 -9													
		MW-6 -10													
		RW-1 -11													

Comments: "Detection limit for dissolved Lead 2.5 ppb."

GLOBAL ID: T0600101451

Relinquished by: (Signature)	Received by: Ross Dickey	Date & Time 04-24-07 1930
Relinquished by: (Signature) Ross Dickey 4/24/07	Received by: R Rungel	Date & Time 4-24-07 1930
Relinquished by: (Signature) R Rungel 424-07 2235	Received by:	Date & Time 4/24/7 2235

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 07-04768 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID N/A Emissivity 0.98 Date/Time 4/24/17
Temperature: 3.9 °C Container N/A
Thermometer ID: 49 Analyst Init MK

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED	B	B	B	B	B	B	B	B	B	B
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3	A3	A5	A3	A5
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____

Sample Numbering Completed By: MK Date/Time: 4/25/17 0030

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 07-04768 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID RCW Emissivity 0.98 Date/Time 4/24/17
Temperature: 3.9 °C Container RCW Analyst Init MX
Thermometer ID: 48

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
)T GENERAL MINERAL/ GENERAL PHYSICAL										
'T PE UNPRESERVED	R2									
)T INORGANIC CHEMICAL METALS										
'T INORGANIC CHEMICAL METALS										
T CYANIDE										
T NITROGEN FORMS										
T TOTAL SULFIDE										
oz. NITRATE / NITRITE										
00ml TOTAL ORGANIC CARBON										
'T TOX										
T CHEMICAL OXYGEN DEMAND										
4A PHENOLICS										
)ml VOA VIAL TRAVEL BLANK										
)ml VOA VIAL	A3	( )	( )	( )	( )	( )	( )	( )	( )	( )
T EPA 413.1, 413.2, 418.1										
T ODOR										
ADIOLOGICAL										
ACTERIOLOGICAL										
ml VOA VIAL- 504										
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
0ml EPA 547										
)ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
QA/QC										
AMBER										
Z. JAR										
OZ. JAR										
L SLEEVE										
8 VIAL										
STIC BAG										
ROUS IRON										
ORE										

ments:
ple Numbering Completed By: AMK Date/Time: 4/25/17 0030

(H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD)

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 7004 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/11/2007 13:08

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0704768-01	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-7	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-02	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-8	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-8	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-03	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-9	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-9	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-04	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-10	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-10	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-05	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-1	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0704768-06	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-2	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-07	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-3	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-08	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-4	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-09	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-5	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:
0704768-10	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID: T0600101451
	Sampling Location:	MW-6	**Sample Depth:**	—	Matrix: W
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0704768-11	**COC Number:**	—	**Receive Date:**	04/24/2007 22:35	Delivery Work Order:	
	Project Number:	7004	**Sampling Date:**	04/24/2007 00:00	Global ID:	T0600101451
	Sampling Location:	RW-1	**Sample Depth:**	—	Matrix:	W
	Sampling Point:	RW-1	**Sample Matrix:**	Water	Sample QC Type (SACode):	CS
	Sampled By:	Chris/Ray of TRCI			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-01 | **Client Sample Name:** 7004, MW-7, MW-7, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	4.1	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.1	%	76 - 114 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	95.7	%	88 - 110 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 17:14	SDU	MS-V10	1	BQD1317		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

BCL Sample ID: 0704768-01 | **Client Sample Name:** 7004, MW-7, MW-7, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 09:46	PPS	PE-EL1	1	BQE0596	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 7004 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-02 | **Client Sample Name:** 7004, MW-8, MW-8, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.9	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	97.9	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:31	SDU	MS-V10	1	BQD1317		

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21 Technology Drive	Project Number: [none]	
Irvine, CA 92618-2302	Project Manager: Anju Farfan	

Water Analysis (Metals)

BCL Sample ID: 0704768-02 | **Client Sample Name:** 7004, MW-8, MW-8, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 09:57	PPS	PE-EL1	1	BQE0596	ND	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-03 | **Client Sample Name:** 7004, MW-9, MW-9, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	2.5	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	96.6	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 17:49	SDU	MS-V10	1	BQD1317		

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TRC Alton Geoscience	Project: 7004	**Reported:** 05/11/2007 13:08
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618-2302	Project Manager: Anju Farfan	

Water Analysis (Metals)

BCL Sample ID: 0704768-03 | **Client Sample Name:** 7004, MW-9, MW-9, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:00	PPS	PE-EL1	1	BQE0596	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-04 | **Client Sample Name:** 7004, MW-10, MW-10, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	0.76	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	96.2	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.5	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:07	SDU	MS-V10	1	BQD1317		

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

BCL Sample ID: 0704768-04 | **Client Sample Name:** 7004, MW-10, MW-10, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:03	PPS	PE-EL1	1	BQE0596	ND	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-05 | **Client Sample Name:** 7004, MW-1, MW-1, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.0	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	96.9	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.9	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:24	SDU	MS-V10	1	BQD1317		

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Irvine, CA 92618-2302	Project Manager: Anju Farfan	

Water Analysis (Metals)

BCL Sample ID: 0704768-05 | **Client Sample Name:** 7004, MW-1, MW-1, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:06	PPS	PE-EL1	1	BQE0596	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-06 | **Client Sample Name:** 7004, MW-2, MW-2, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	76 - 114 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	96.6	%	88 - 110 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.7	%	86 - 115 (LCL - UCL)		EPA-8260	04/25/07	04/25/07 18:42	SDU	MS-V10	1	BQD1317		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 7004 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/11/2007 13:08

Water Analysis (Metals)

BCL Sample ID: 0704768-06 | **Client Sample Name:** 7004, MW-2, MW-2, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:14	PPS	PE-EL1	1	BQE0596	ND	

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21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-07 | **Client Sample Name:** 7004, MW-3, MW-3, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.55	ug/L	0.50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	9.1	ug/L	0.50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	870	ug/L	50		EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	95.4	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	95.8	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/26/07 10:49	SDU	MS-V10	1	BQD1317		

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

BCL Sample ID: 0704768-07 | **Client Sample Name:** 7004, MW-3, MW-3, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:17	PPS	PE-EL1	1	BQE0596	ND	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-08 | **Client Sample Name:** 7004, MW-4, MW-4, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	0.94	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	97.0	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 18:59	SDU	MS-V10	1	BQD1317		

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Water Analysis (Metals)

BCL Sample ID: 0704768-08 | **Client Sample Name:** 7004, MW-4, MW-4, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:20	PPS	PE-EL1	1	BQE0596	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-09 | **Client Sample Name:** 7004, MW-5, MW-5, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	1.7	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.6	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	97.1	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:17	SDU	MS-V10	1	BQD1317		

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Water Analysis (Metals)

BCL Sample ID: 0704768-09 | **Client Sample Name:** 7004, MW-5, MW-5, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:23	PPS	PE-EL1	1	BQE0596	ND	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-10 | **Client Sample Name:** 7004, MW-6, MW-6, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.7	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	97.5	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	99.7	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 19:35	SDU	MS-V10	1	BQD1317		

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Water Analysis (Metals)

BCL Sample ID: 0704768-10 | **Client Sample Name:** 7004, MW-6, MW-6, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:26	PPS	PE-EL1	1	BQE0596	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0704768-11 | **Client Sample Name:** 7004, RW-1, RW-1, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Ethylbenzene	0.78	ug/L	0.50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Toluene	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Ethanol	ND	ug/L	250		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
Total Purgeable Petroleum Hydrocarbons	190	ug/L	50		EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317		
Toluene-d8 (Surrogate)	97.6	%	88 - 110	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115	(LCL - UCL)	EPA-8260	04/25/07	04/25/07 21:21	SDU	MS-V10	1	BQD1317		

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Water Analysis (Metals)

BCL Sample ID: 0704768-11 | **Client Sample Name:** 7004, RW-1, RW-1, 4/24/2007 12:00:00AM, Chris/Ray

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	ND	ug/L	1.0		EPA-6020	05/10/07	05/10/07 10:28	PPS	PE-EL1	1	BQE0596	ND	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BQD1317	Matrix Spike	0704709-03	0	24.970	25.000	ug/L		99.9		70 - 130	
		Matrix Spike Duplicate	0704709-03	0	24.770	25.000	ug/L	0.8	99.1	20	70 - 130	
Toluene	BQD1317	Matrix Spike	0704709-03	0	24.560	25.000	ug/L		98.2		70 - 130	
		Matrix Spike Duplicate	0704709-03	0	24.360	25.000	ug/L	0.8	97.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BQD1317	Matrix Spike	0704709-03	ND	9.5700	10.000	ug/L		95.7		76 - 114	
		Matrix Spike Duplicate	0704709-03	ND	9.6700	10.000	ug/L		96.7		76 - 114	
Toluene-d8 (Surrogate)	BQD1317	Matrix Spike	0704709-03	ND	9.9000	10.000	ug/L		99.0		88 - 110	
		Matrix Spike Duplicate	0704709-03	ND	9.7700	10.000	ug/L		97.7		88 - 110	
4-Bromofluorobenzene (Surrogate)	BQD1317	Matrix Spike	0704709-03	ND	9.9700	10.000	ug/L		99.7		86 - 115	
		Matrix Spike Duplicate	0704709-03	ND	10.010	10.000	ug/L		100		86 - 115	

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TRC Alton Geoscience
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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Lead	BQE0596	Duplicate	0704768-01	-0.0080000	ND		ug/L			20		
		Matrix Spike	0704768-01	-0.0080000	88.092	102.04	ug/L		86.3		75 - 125	
		Matrix Spike Duplicate	0704768-01	-0.0080000	87.807	102.04	ug/L	0.2	86.1	20	75 - 125	

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BQD1317	BQD1317-BS1	LCS	24.700	25.000	0.50	ug/L	98.8		70 - 130		
Toluene	BQD1317	BQD1317-BS1	LCS	24.570	25.000	0.50	ug/L	98.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQD1317	BQD1317-BS1	LCS	9.6000	10.000		ug/L	96.0		76 - 114		
Toluene-d8 (Surrogate)	BQD1317	BQD1317-BS1	LCS	9.9500	10.000		ug/L	99.5		88 - 110		
4-Bromofluorobenzene (Surrogate)	BQD1317	BQD1317-BS1	LCS	9.9900	10.000		ug/L	99.9		86 - 115		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Lead	BQE0596	BQE0596-BS1	LCS	90.811	100.00	1.0	ug/L	90.8		75 - 125		

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21 Technology Drive
Irvine, CA 92618-2302

Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Toluene	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Total Xylenes	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
t-Amyl Methyl ether	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BQD1317	BQD1317-BLK1	ND	ug/L	10		
Diisopropyl ether	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Ethanol	BQD1317	BQD1317-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BQD1317	BQD1317-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BQD1317	BQD1317-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQD1317	BQD1317-BLK1	100	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQD1317	BQD1317-BLK1	96.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQD1317	BQD1317-BLK1	101	%	86 - 115 (LCL - UCL)		

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Project: 7004
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/11/2007 13:08

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Lead	BQE0596	BQE0596-BLK1	ND	ug/L	1.0		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 7004 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/11/2007 13:08

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

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