Shell Oil Products US

April 05, 2010

Re: Well Installation Report
Shell-Branded Service Station
8999 San Ramon Road
Dublin, California

Dear Mr. Jerry Wickham:

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.

Sincerely,
Shell Oil Products US

Denis L. Brown
Project Manager

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

April 5, 2010
Project SCA8999S1D
SAP# 135244

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

Subject: **Well Installation Report**
Shell-branded Service Station
8999 San Ramon Road
Dublin, California

DELTA

Dear Mr. Wickham,

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared the following *Well Installation Report* to document the installation of two groundwater monitoring wells (MW-1R and MW-3R) at the referenced site. The wells were installed in accordance with Delta's *Work Plan for Well Installations and Well Destructions* dated October 5, 2009. The work plan was approved with changes on in a letter to Shell from Alameda County Environmental Health (ACEH) dated November 13, 2009 (Attachment A). The offsite well installations (MW-2R, MW-2RB, MW-2RC, MW-13, MW-13B, MW-13C, MW-14B, and MW-14C) and well destructions (MW-7, MW-9 and MW-11) have been delayed due to access issues resulting from the sale of the offsite property. The current owners have been identified, and an access agreement has been prepared for their approval. Delta will complete the scope of work as soon as the new access agreement has been obtained.

SITE DESCRIPTION

The subject property is located on the southeast corner at the intersection of Alcosta Boulevard and San Ramon Road in Dublin, California (Figure 1). The property is currently an active Shell-branded service station. The remodeled Shell station includes a station building, a car wash, a large canopy covering two dispenser islands with six total dispenser stations and four 10,000-gallon underground storage tanks (USTs).

FIELD ACTIVITIES

On February 10 and 11, 2010, groundwater monitoring wells MW-1R and MW-3R were installed on-site (Figure 2). Delta obtained well construction permits from the Zone 7 Water District prior to commencing field activities (Attachment B). The proposed well locations were marked and Underground Service Alert was contacted

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to notify subscribers of the proposed activities prior to drilling. In addition, Delta had a private subsurface utility locator perform a geophysical survey of the proposed well locations.

GROUNDWATER MONITORING WELL INSTALLATION

Prior to drilling activities the proposed well locations were excavated by air-knife to a minimum depth of 8 feet (ft) below ground surface (bgs) to avoid potential damage to subsurface utilities. All work was performed by a Delta field staff engineer under the direction of a California Professional Geologist.

Monitoring wells MW-1R and MW-3R were each drilled using 10-inch diameter hollow-stem auger drilling equipment. Well MW-1R was drilled to a total depth of 40 ft bgs, and Well MW-3R was drilled to a total depth of 35 ft bgs. Both wells were constructed using 4-inch diameter, Schedule 40, polyvinylchloride (PVC) casing with 10 ft of 0.010-inch machine slotted well screen. MW-1R was screened from 30 ft to 40 ft bgs and MW-3R was screened from 25 ft to 35 ft bgs.

In the annular space of the wells, a sand pack of #2/12 sand was placed from the bottom of the boring to approximately 2 ft above the screened interval. A sanitary seal consisting of hydrated, granular bentonite and cement grout was placed from the top of the sand pack to within approximately one foot of the surface. Upon completion, the top of each well was secured with a flush-mounted, traffic-rated vault box anchored in concrete.

All down-hole drilling and sampling equipment was cleaned prior to use and between boring locations. All soils, water and debris generated during the well installation activities were stored onsite in Department of Transportation rated, 55-gallon drums pending characterization and appropriate disposal.

SOIL DATA

Soils encountered in the borings for wells MW-1R and MW-3R consisted primarily of clay and silt with traces of sand. Boring logs with well construction details are included as Attachment C. Soil samples were collected from each boring at approximate 5-foot depth intervals using a split-spoon sampler. The soil was logged by Delta field staff in accordance with the Unified Soil Classification System. Photo-ionization detector (PID) readings were collected in the field at each sample depth and recorded on the boring logs (Attachment C).

Selected soil samples from each boring were retained for laboratory analysis. The samples were submitted to a California state licensed laboratory and analyzed for the presence total petroleum hydrocarbons as gasoline (THP-g), TPH as diesel (TPH-d), benzene, toluene, ethylbenzene, total xylenes (BTEX compounds), methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME).

In well MW-1R, concentrations of 440 milligrams per kilogram (mg/kg) TPH-d, 0.032 mg/kg MTBE and 1.3 mg/kg TBA were detected in the soil sample collected at approximately 10 ft bgs. A concentration of 0.12 mg/kg TBA was detected in the soil sample collected from MW-1R at depth of approximately 35 ft bgs. No petroleum hydrocarbons or fuel oxygenates were detected in the soil sample collected from MW-3R at approximately 30 ft bgs. Soil analytical data are summarized in Table 1 and the certified analytical report is provided as Attachment D.

GROUNDWATER DATA

On March 11, 2010, Blaine Tech Services, Inc. (Blaine) developed Wells MW-1R and MW-3R using a surge and bail technique. Both wells were surged for 10 minutes prior to the removal (purging) of ten casing volumes of water. Groundwater quality parameters (i.e. turbidity, pH, electric conductivity and temperature) and a relative change in groundwater clarity were recorded for each well. The field data sheets are included as Attachment E.

Groundwater was first-encountered during drilling at approximately 29 ft bgs in Well MW-3R and at approximately 35 ft bgs in Well MW-1R. On March 19, 2010 Blaine sampled Wells MW-1R and MW-3R and gauged all the site wells. Depth to water ranged from 22.30 ft (MW-3R) to 30.54 ft (MW-12) below top of casing (TOC) in the wells built within the shallow groundwater zone. Groundwater flow direction was calculated to the southeast at a gradient of approximately 0.04 ft/ft (Figure 3). The field data sheets are included as Attachment E.

Upon review of the gauging data from Blaine, it was observed that groundwater is currently above the top of the screens in wells MW-1R and MW-3R. Former on-site wells, MW-1 and MW-3, were screened 23 to 27 ft bgs and 21 to 26 ft bgs, respectively. Current groundwater levels are consistent with higher water levels recorded for wells MW-1 and MW-3; however, historical data indicate that groundwater was below the bottom of the screens nearly half the time the wells were gauged. Data from other site wells in which groundwater was consistently detected also show groundwater levels to be deeper, especially in recent years. The new wells were constructed in accordance with the available data, including the depth to first-encountered groundwater, which was consistent with the deeper water levels measured in the other site wells. Based on the historical data, groundwater may drop below the top of the screens in wells MW-1R and MW-3R during subsequent quarters.

The groundwater samples collected were submitted to a California state licensed laboratory and analyzed for the presence of THP-g, TPH-d, BTEX compounds, MTBE, TBA, DIPE, ETBE, and TAME. Concentrations of 91 micrograms per liter (µg/L) TPH-g, 1.7 µg/L MTBE and 2,400 µg/L TBA were detected in the groundwater sample collected from Well MW-1R,. No petroleum hydrocarbons or fuel oxygenates were detected in the groundwater sample collected from Well MW-3R. The groundwater analytical data are summarized in Table 2 and the certified analytical report is included in Attachment D.

The last analytical data we have for former well MW-1 is from nearly four years ago (August 2006), and the last analytical data we have for former MW-3 is from nearly 3 years ago (June 2007). The same analytes detected in MW-1 were also detected in the groundwater sample collected from well MW-1R, with the exception of TPH-d. No analytes were detected in the sample collected from well MW-3R; however, the last sample collected from well MW-3 only had TPH-d and very small amount of MTBE. Concentrations could be biased somewhat by the submerged screens, however both wells were purged prior to sampling. Additionally, we would anticipate lower concentrations due to natural attenuation and migration since samples were last collected from wells MW-1 and MW-3 in 2006 and 2007, respectively. The TBA concentration trend over time for former Well MW-1 is presented on Graphs 1 and 2. To more clearly show the trend in relation to the concentration currently detected in MW-1R, the high result detected on January 30, 2006 was removed in Graph 2. Although data is limited, the trend line suggests that the TBA concentration recently detected in MW-1R is consistent with the observable rate of natural attenuation and supports the assertion that well MW-1R is a valid data point.

WELL SURVEYING

On March 17, 2010, the newly installed wells were surveyed by a licensed surveyor for latitude, longitude and elevation relative to mean sea level using both conventional survey techniques and GPS technology. The survey results will be uploaded to the California State GeoTracker database and are included as Attachment F.

SUMMARY

Residual petroleum hydrocarbon impacts to soil were detected in the boring for Well MW-1R, located adjacent to the USTs in the down-gradient direction. Concentrations of TPH-d, MTBE and TBA were detected in the soil sample collected from approximately 10 feet bgs, and a minor concentration of TBA was detected in the soil sample collected from approximately 35 feet bgs. No petroleum hydrocarbons were detected in the soil collected from Well MW-3R, located cross-gradient of the USTs.

In groundwater, TPH-g, MTBE, and TBA were detected in the sample collected from Well MW-1R, which is consistent with the analytes previously detected in groundwater from former Well MW-1. A decrease in the concentrations detected in Well MW-1R relative to those last detected in MW-1 suggests potential attenuation in the presumed source area near the USTs. No petroleum hydrocarbons were detected in the groundwater collected from Well MW-3R.

Delta recommends that the new monitoring wells be incorporated into the quarterly monitoring and sampling schedule. Once an access agreement with the offsite property owner has been obtained, Delta will complete the remaining scope of work outlined in the *Work Plan for Well Installations and Well Destructions* dated October 5, 2009.

REMARKS

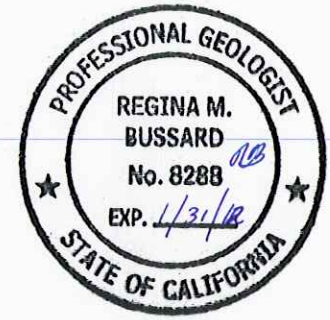
This document represents Delta's professional opinions based upon currently available information and is arrived at in accordance with currently acceptable professional standards. This document is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this document were performed. This document is intended only for the use of Delta's Client and anyone else specifically listed on this document. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this document.

If you have any questions, please call Regina Bussard (Delta) at (408) 826-1876 or Denis Brown (Shell) at (707) 865-0251.

Sincerely,
Delta Consultants

Abhik Dutta
for: Cora Olson
Staff Engineer

Regina Bussard, P.G.
Project Manager



ATTACHMENTS:

Figure 1 – Site Location Map
Figure 2 – Site Map with the Well Locations
Figure 3 – Groundwater Elevation Map

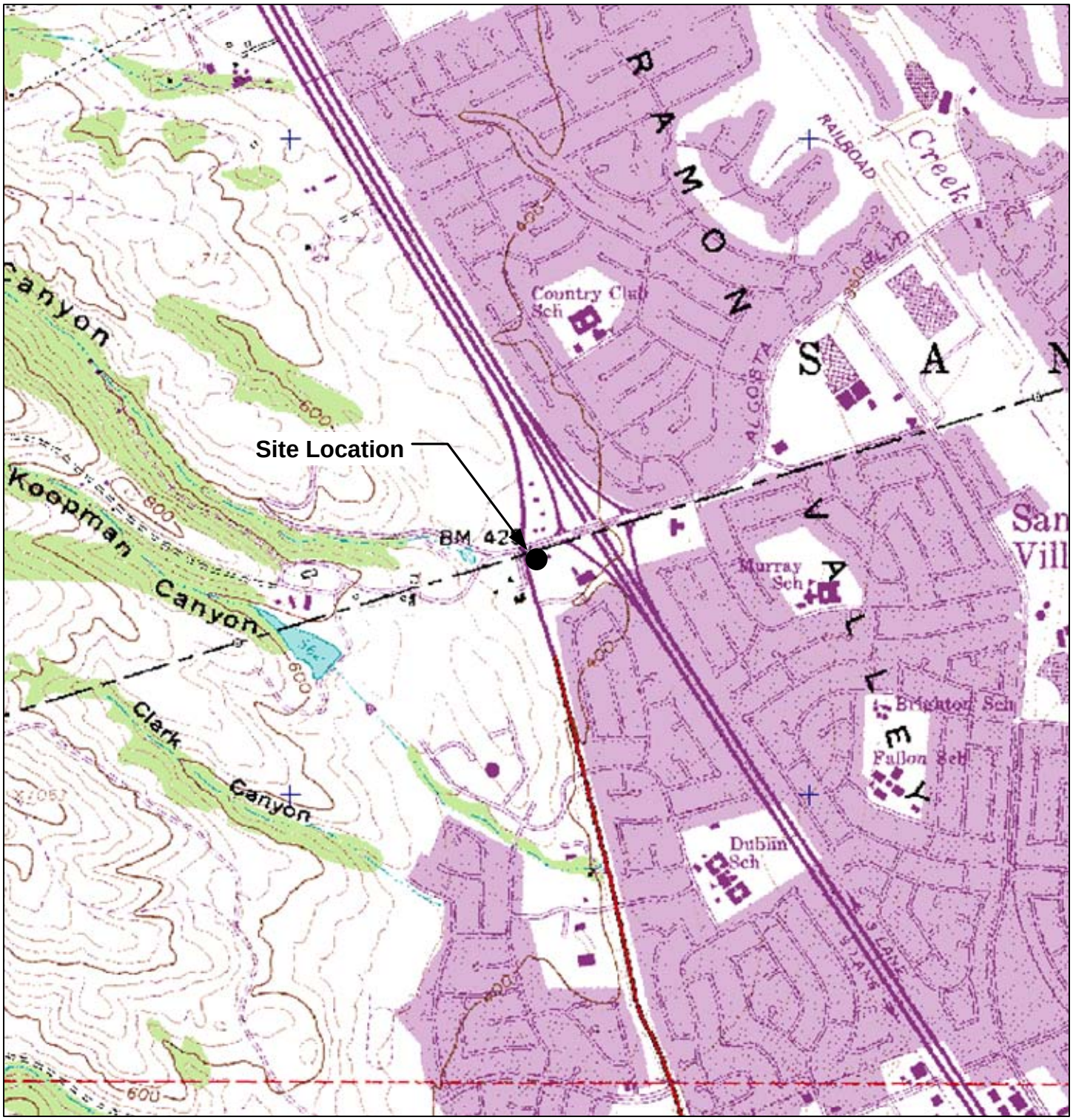
Graph 1 – TBA Concentration Trend – Well MW-1
Graph 2 – TBA Concentration Trend (adjusted) – Well MW-1

Table 1 – Soil Analytical Results
Table 2 - Groundwater Analytical Results

Attachment A – Regulatory Letter dated November 13, 2009
Attachment B – Zone 7 Water Agency Well Permits
Attachment C – Boring Logs
Attachment D – Certified Analytical Report with Chain-of-Custody Documentation
Attachment E – Field Data Sheets
Attachment F – Well Survey Results

cc: Denis Brown, Shell Oil Products US, Carson
Colleen Winey, Zone 7 Water Agency, Livermore

FIGURES



GENERAL NOTES:

Base Map from: 3-D TopoQuads DeLorme Yarmouth, ME 04096 Source Data: USGS

QUADRANGLE LOCATION

North

0 1,300 2,600

Scale, Feet

FIGURE 1

SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
8999 San Ramon Road
Dublin, California

PROJECT NO. SCA8999S1	DRAWN BY V. F. 12/9/04
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

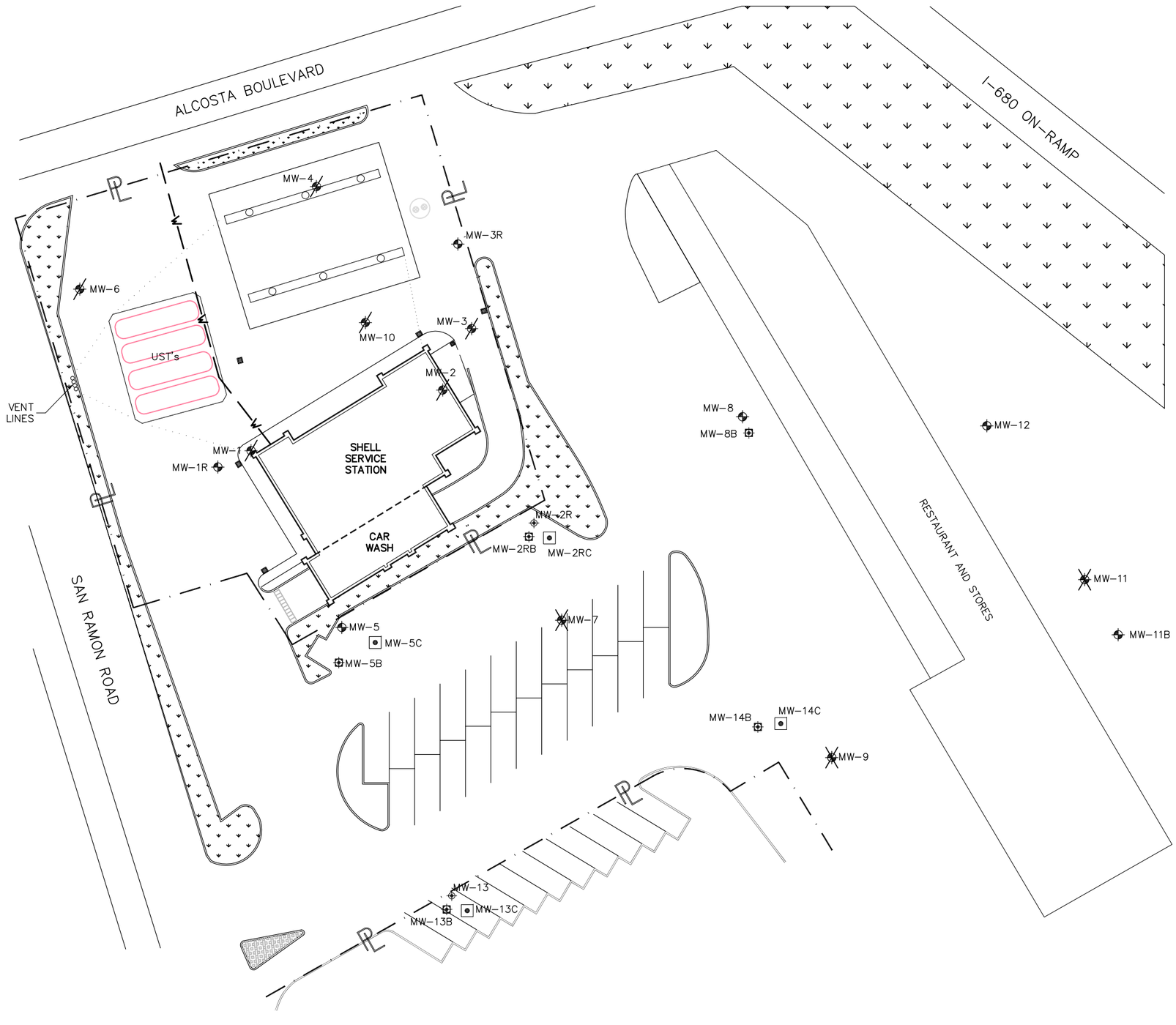
DELTA

PROJECT NUMBER SCA8999S1

APPROVED BY

CHECKED BY

DRAWN BY A.D. MAR 2010



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LEGEND

MW-5	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-8B	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-5C	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-2R MW-2RB MW-2RC	PROPOSED GROUNDWATER MONITORING WELL LOCATION
MW-9	PROPOSED GROUNDWATER MONITORING WELL DESTRUCTION

0 20 40

SCALE IN FEET

DELTA CONSULTANTS

SHELL OIL PRODUCTS U.S.
SHELL-BRANDED SERVICE STATION
DUBLIN, CALIFORNIA

FIGURE 2

SITE MAP

8999 SAN RAMON ROAD
DUBLIN, CALIFORNIA

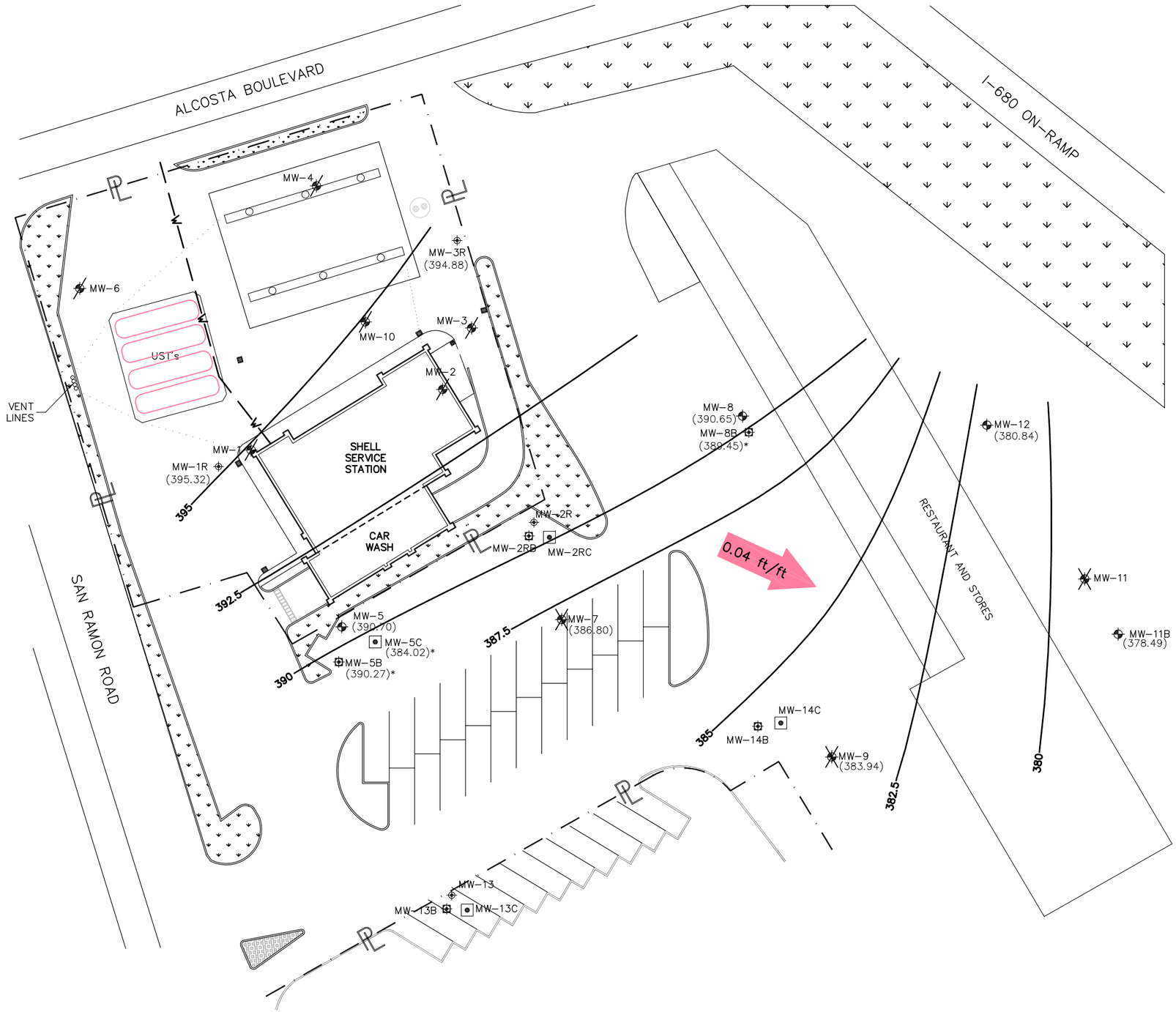
_Shell Sites\8\8999 San Ramon, Dublin\2009-5-XX_Well Reconstruction Workplan\Figures

PROJECT NUMBER SCA8999S1D

APPROVED BY

CHECKED BY

DRAWN BY AD 4/02/2010



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LEGEND

- MW-5 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-1 — DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-8B — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-5C — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-2R, MW-2RB, MW-2RC — PROPOSED GROUNDWATER MONITORING WELL LOCATION
- MW-9 — PROPOSED GROUNDWATER MONITORING WELL DESTRUCTION
- (396.94) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- * — B AND C LEVEL WELLS NOT USED IN CONTOURING
- 0.04 ft/ft — APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

WELL	DTW	TOC	GW ELEV
MW-1R	26.09	421.41	395.32
MW-3R	22.30	417.18	394.88
MW-5	26.18	416.88	390.70
MW-5B	27.39	417.66	390.27
MW-5C	33.08	417.10	384.02
MW-7	27.55	414.35	386.80
MW-8	23.89	414.54	390.65
MW-8B	27.54	414.81	389.45
MW-9	28.75	412.69	383.94
MW-11B	30.54	409.03	378.49
MW-12	30.34	411.18	380.84

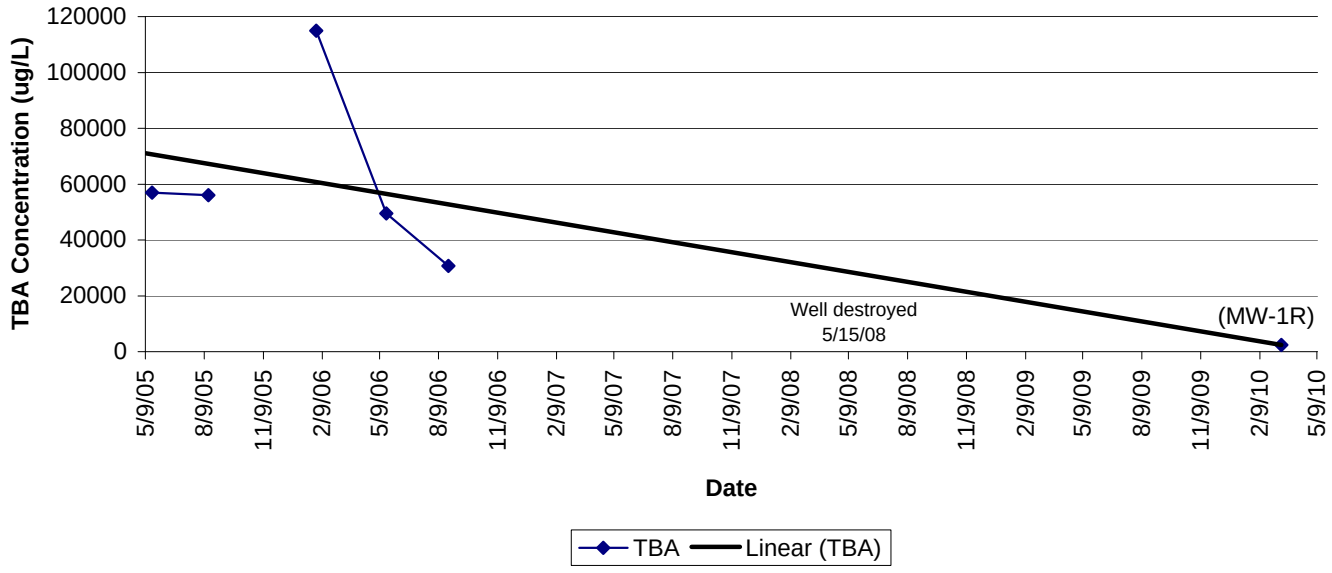
DELTA CONSULTANTS

SHELL OIL PRODUCTS U.S.
SHELL-BRANDED SERVICE STATION
DUBLIN, CALIFORNIA

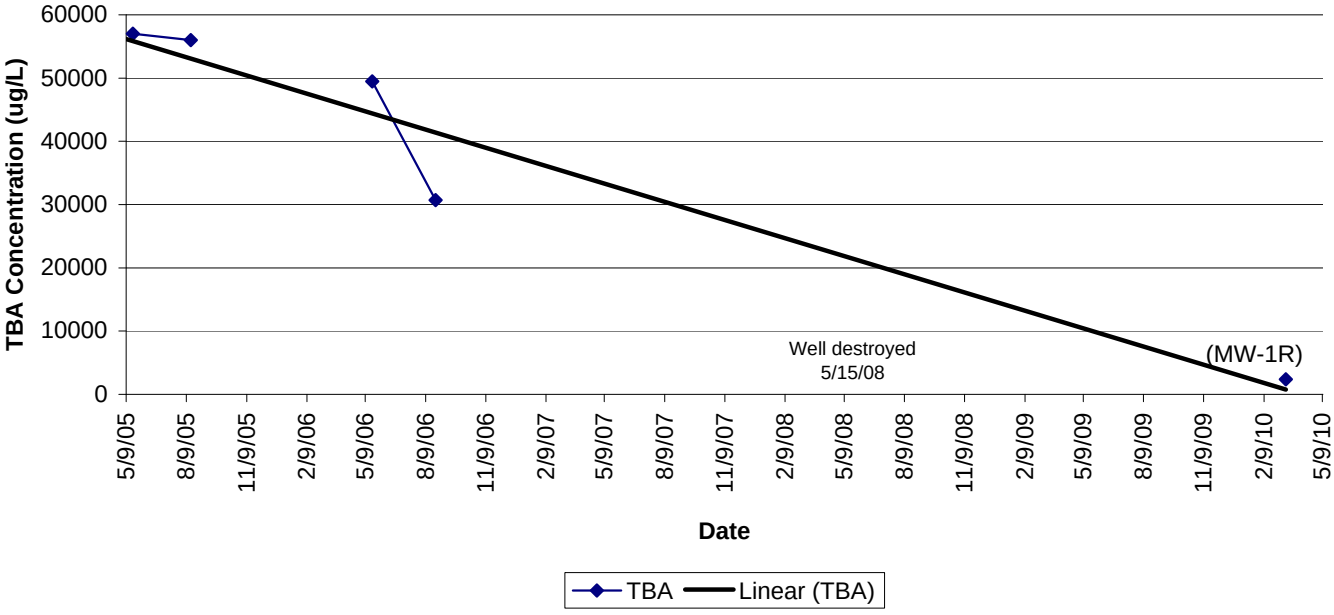
FIGURE 3
GROUNDWATER CONTOUR MAP
3/19/10
8999 SAN RAMON ROAD
DUBLIN, CALIFORNIA

GRAPHS

Graph 1
TBA Concentration Trend - Well MW-1
8999 San Ramon Road, Dublin, CA



Graph 2
TBA Concentration Trend (adjusted) - Well MW-1
8999 San Ramon Road, Dublin, CA



TABLES

TABLE 1
SOIL ANALYTICAL DATA
Shell-Branded Service Station
8999 San Ramon Road
Dublin, California

Sample ID	Date Collected	TPH-g (mg/kg)	TPH-d (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)
MW-1R @ 10'	2/10/2010	ND< 0.5	440	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	0.032	1.3	ND< 0.01	ND< 0.01	ND< 0.01
MW-1R @ 35'	2/10/2010	ND< 0.5	ND< 5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	0.12	ND< 0.01	ND< 0.01	ND< 0.01
MW-3R (@30')	2/11/2010	ND< 0.5	ND< 5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.05	ND< 0.01	ND< 0.01	ND< 0.01

Abbreviations:
TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8260B, identified by the laboratory as total purgeable petroleum hydrocarbons (TPPH)
TPH-d = Total petroleum hydrocarbons as diesel by EPA Method 8015, identified by the laboratory as diesel range organics (DRO)
B = Benzene, analyzed by EPA Method 8260B
T = Toluene, analyzed by EPA Method 8260B
E = Ethylbenzene, analyzed by EPA Method 8260B
X = Xylenes, analyzed by EPA Method 8260B
MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260B
TBA = Tert-butyl alcohol, analyzed by EPA Method 8260B
DIPE = diisopropyl ether, analyzed by EPA Method 8260B
ETBE = ethyl tert-butyl ether, analyzed by EPA Method 8260B
TAME = tert-amyl methyl ether, analyzed by EPA Method 8260B
mg/kg = milligrams per killigrams, equivalent to Parts per billion
ND(<n) = Not detected above the shown detection limit (n)

TABLE 2
GROUNDWATER ANALYTICAL DATA
Shell-Branded Service Station
8999 San Ramon Road
Dublin, California

Sample ID	Date Collected	TPH-g (ug/L)	TPH-d (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)
MW-1R	3/19/2010	91	ND< 50	ND< 0.50	ND < 1.0	ND < 1.0	ND < 1.0	1.7	2,400	ND<2.0	ND<2.0	ND<2.0
MW- 3R	3/19/2010	ND < 50	ND< 50	ND< 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	ND<2.0	ND<2.0	ND<2.0

Abbreviations:
TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8260B, identified by the laboratory as total purgeable petroleum hydrocarbons (TPPH)
TPH-d = Total petroleum hydrocarbons as diesel by EPA Method 8015, identified by the laboratory as diesel range organics (DRO)
B = Benzene, analyzed by EPA Method 8260B
T = Toluene, analyzed by EPA Method 8260B
E = Ethylbenzene, analyzed by EPA Method 8260B
X = Xylenes, analyzed by EPA Method 8260B
MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260B
TBA = Tert-butyl alcohol, analyzed by EPA Method 8260B
DIPE = diisopropyl ether, analyzed by EPA Method 8260B
ETBE = ethyl tert-butyl ether, analyzed by EPA Method 8260B
TAME = tert-amyl methyl ether, analyzed by EPA Method 8260B
ug/L = micrograms per liter, equivalent to Parts per billion
ND(<n) = Not detected above the shown detection limit (n)

ATTACHMENT A

REGULATORY LETTER
DATED NOVEMBER 13, 2009

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Acting Director

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

November 13, 2009

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Carl Cox
C and J Cox Corporation
4431 Stoneridge Drive
Pleasanton, CA 94588-8417

Subject: Fuel Leak Case No. RO0002744, Shell#13-5244, 8999 San Ramon Road, Dublin, CA 94568– Conditional Work Plan Approval

Dear Mr. Brown and Mr. Cox:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the recent work plan entitled, "*Work Plan for Well Installations and Well Destructions, Shell-branded Service Station, 8999 San Ramon Road, Dublin, California,*" dated October 5, 2009. The Work Plan proposes the installation of 10 groundwater monitoring wells and the destruction of 3 groundwater monitoring wells to further delineate and more accurately monitor groundwater conditions beneath the site.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Proposed Screen Length for B- and C-Level Wells.** We request that the screen length for the B- and C-zone wells not exceed 10 feet in length. The depth intervals for the filter pack and well screen are to be adjusted as necessary based on encountered soil conditions to intercept groundwater within any significant coarse-grained water-bearing intervals encountered within the approximate planned depth range of the wells. Please present the soil boring logs, well completion diagrams, screening results, and analytical results from the wells in the Well Installation and Destruction Report requested below.

2. **Groundwater Monitoring.** The newly installed wells are to be monitored on a quarterly basis for a period of one year. Please present the results in the quarterly groundwater reports requested below.

TECHNICAL REPORT REQUEST

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

- **April 5, 2010** – Well Installation and Destruction Report
- **60 days following the end of each quarter** – Quarterly Monitoring Reports

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

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to 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 Instructions." 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. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all 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 monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is 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 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Regina Brussard
Delta Environmental Consultants, Inc.
312 Piercy Road
San Jose, CA 95138

Donna Drogos, ACEH
Jerry Wickham, ACEH
Geotracker, File

ATTACHMENT B

ZONE 7 WATER AGENCY WELL PERMITS

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 8999 San Ramon Rd
Dublin, CA

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN 941-164-1-7

CLIENT
Name Shell Oil Products
Address 20945 S. Wilmington Ave Phone 707-865-0251
City Carson Zip 90810

APPLICANT
Name Cora Olson for Delta Consultants
Email COlson@deltaenv.com Fax 408-225-8506
Address 312 Piercy Rd Phone 408-826-1877
City San Jose Zip 95138

TYPE OF PROJECT:

(Well Construction)	9	Geotechnical Investigation	9
Well Destruction	9	Contamination Investigation	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	(Groundwater Monitoring)	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	9	Other _____	9

DRILLING COMPANY _____
DRILLER'S LICENSE NO. _____
WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 100 ft.
Surface Seal Depth 15 ft. Number 10 Wells
4@40' 3@65' 3@100'

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 2/8/10
ESTIMATED COMPLETION DATE 2/16/10

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 1/19/10

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 2010010
WELL NUMBER 2S/1W-35B11 to 2S/1W-35B20
APN 941-0164-001-07

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 2/1/10
Wyman Hong

Revised: April 23, 2008

ATTACHMENT C

BORING LOGS

BORING LOG

Client Shell Oil Products US

Project Number SCA8999S1D

Well No. MW-1R

Address:
8999 San Ramon Road
Dublin, CA
Logged By:
Cora Olsun

Drilling Date(s): **02/10/10**
Drilling Company:
RSI
Drilling Method:
HSA
Boring Depth (ft): **41.5'**

Boring diameter (in.): **10"**
Sampling Method: **Split Spoon**
Well Depth (ft.): **40'**
Casing Diameter (in.): **4"**

Casing Material:
Sch 40 PVC
Screen Interval: **30' - 40' bgs**
Screen slot size:
0.010"
Sand Pack: **2/12**

Depth (ft.)	Water Level	Soil/Rock Graphic	Sampled Interval	Blow Counts (blows/ft)	Recovery (%)	Soil/Rock Visual Description	PID Reading (ppm)	Well Completion	Depth (ft.)
						Airknifed to ~10' bgs.			
10				11	43%	CL: Silty CLAY, dark gray to brown, moist, trace gravel, 70% clay, 30% silt.	9.8		
15				33	100%	CL: Silty CLAY with fine sand, gray to brown, dry, 70% clay, 20% silt, 10% fine sand.	1.4		
20				15	100%	CL: Sandy CLAY, gray, dry, 70% clay, 30% fine sand.	4.0		
25				17	100%	(as above)	0.0		
30				20	100%	CL: CLAY, brown, trace fine sand (<5%), moist.	0.0		
35	▽			35	100%	CL: CLAY with silt and medium to coarse sand, brown, wet, trace gravel.	0.0		
40				45	100%	(as above)	0.0		
						Bottom of boring = 41.5' bgs.			

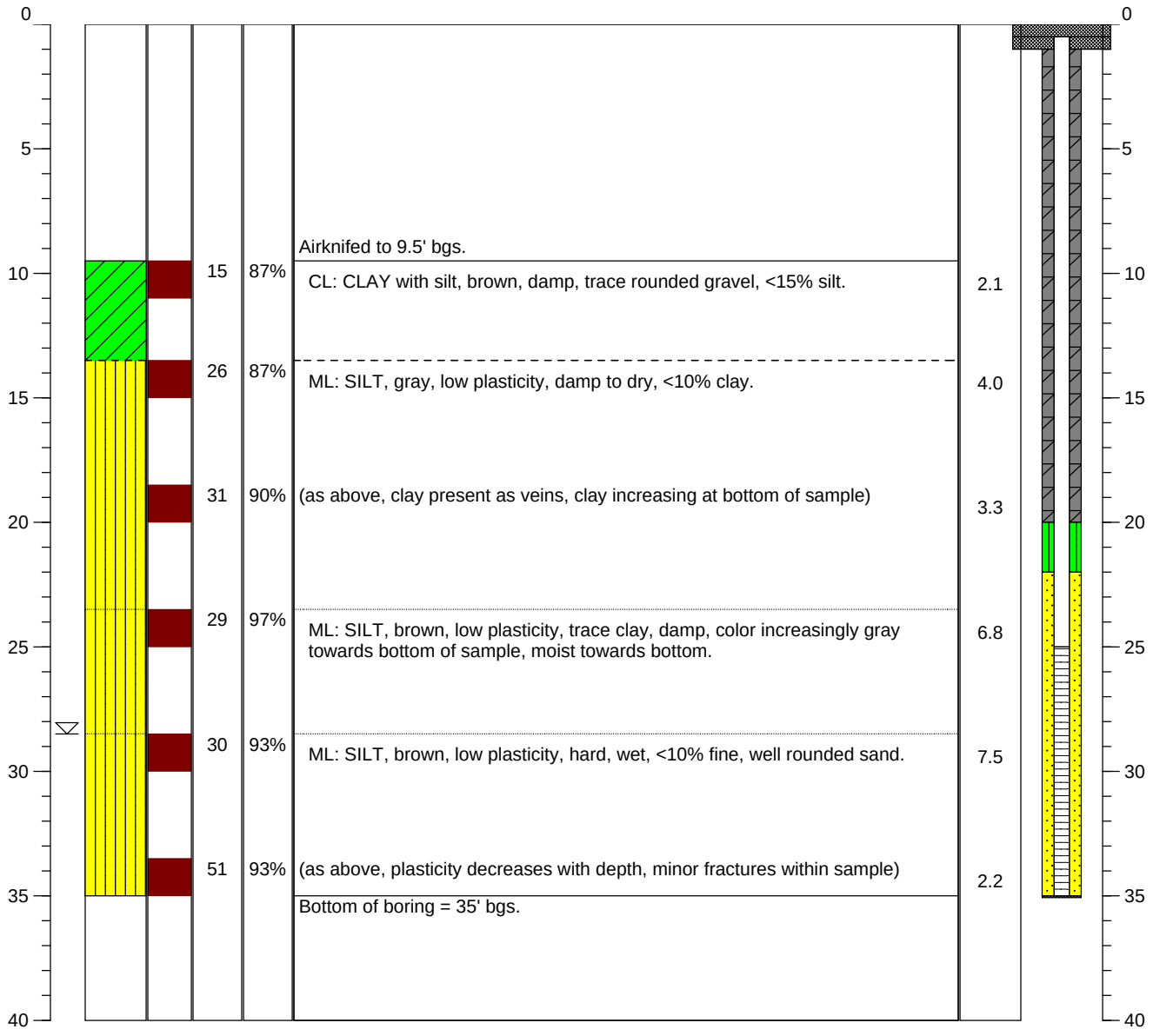
BORING LOG

Client Shell Oil Products US

Project Number SCA8999S1D

Well No. MW-3R

Address: **8999 San Ramon Road** **Dublin, CA** Logged By: **Abhik Dutta**	Drilling Date(s): **02/11/10** Drilling Company: **RSI** Drilling Method: **HSA** Boring Depth (ft): **35'**	Boring diameter (in.): **10"** Sampling Method: **Split Spoon** Well Depth (ft.): **35'** Casing Diameter (in.): **4"**	Casing Material: **Sch 40 PVC** Screen Interval: **25' - 35' bgs** Screen slot size: **0.010"** Sand Pack: **2/12**



ATTACHMENT D

CERTIFIED ANALYTICAL REPORT
WITH CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

February 25, 2010

Regina Bussard
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-02-1272**
Client Reference: 8999 San Ramon Rd., Dublin, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/13/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received:	02/13/10
Work Order No:	10-02-1272
Preparation:	EPA 3550B
Method:	EPA 8015B

Project: 8999 San Ramon Rd., Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1R@10'	**10-02-1272-1-A**	**02/10/10 09:20**	**Solid**	**GC 49**	**02/16/10**	**02/16/10 22:17**	**100216B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	440	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1R@35'	**10-02-1272-6-A**	**02/10/10 11:00**	**Solid**	**GC 49**	**02/16/10**	**02/16/10 22:01**	**100216B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-978**	**N/A**	**Solid**	**GC 49**	**02/16/10**	**02/16/10 17:36**	**100216B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	02/13/10
312 Piercy Rd.		Work Order No:	10-02-1272
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8999 San Ramon Rd., Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1R@10'	**10-02-1272-1-A**	**02/10/10 09:20**	**Solid**	**GC/MS W**	**02/17/10**	**02/17/10 17:45**	**100217L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	1.3	0.050	1	E
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Methyl-t-Butyl Ether (MTBE)	0.032	0.0050	1		TPPH	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	71-137		1,2-Dichloroethane-d4	107	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	100	87-111					

MW-1R@10'	10-02-1272-1-A	02/10/10 09:20	Solid	GC/MS W	02/18/10	02/18/10 16:52	100218L02

Parameter	Result	RL	DF	Qual
Tert-Butyl Alcohol (TBA)	ND	5.0	100	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	103	58-160	
Toluene-d8	102	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	101	87-111					

MW-1R@35'	10-02-1272-6-A	02/10/10 11:00	Solid	GC/MS W	02/17/10	02/17/10 15:19	100217L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	0.12	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	71-137		1,2-Dichloroethane-d4	111	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	98	66-126	
Toluene-d8-TPPH	99	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	02/13/10
312 Piercy Rd.		Work Order No:	10-02-1272
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8999 San Ramon Rd., Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-820**	**N/A**	**Solid**	**GC/MS W**	**02/17/10**	**02/17/10 14:50**	**100217L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	71-137			1,2-Dichloroethane-d4	101	58-160		
Toluene-d8	102	87-111			1,4-Bromofluorobenzene	100	66-126		
Toluene-d8-TPPH	102	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-824**	**N/A**	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10 13:29**	**100218L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
Ethylbenzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Toluene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		TPPH	ND	50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	71-137			1,2-Dichloroethane-d4	101	58-160		
Toluene-d8	102	87-111			1,4-Bromofluorobenzene	98	66-126		
Toluene-d8-TPPH	100	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.		Date Received:	02/13/10
312 Piercy Rd.		Work Order No:	10-02-1272
San Jose, CA 95138-1401		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1024-1	**Solid**	**GC 49**	**02/16/10**	**02/16/10**	**100216S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	102	113	64-130	10	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 02/13/10
Work Order No: 10-02-1272
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-1R@35'	**Solid**	**GC/MS W**	**02/17/10**	**02/17/10**	**100217S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	40-142	4	0-18	
Carbon Tetrachloride	94	96	37-139	2	0-20	
Chlorobenzene	91	95	43-127	4	0-26	
1,2-Dibromoethane	77	86	70-130	12	0-30	
1,2-Dichlorobenzene	81	88	40-160	9	0-36	
1,1-Dichloroethene	111	114	16-178	2	0-25	
Ethylbenzene	98	99	70-130	1	0-30	
Toluene	94	98	44-128	4	0-15	
Trichloroethene	101	103	47-131	2	0-19	
Vinyl Chloride	80	79	29-161	2	0-42	
Methyl-t-Butyl Ether (MTBE)	81	90	42-150	11	0-34	
Tert-Butyl Alcohol (TBA)	25	43	61-109	23	0-47	3
Diisopropyl Ether (DIPE)	93	100	73-133	8	0-25	
Ethyl-t-Butyl Ether (ETBE)	86	95	73-132	10	0-25	
Tert-Amyl-Methyl Ether (TAME)	80	88	82-120	10	0-25	3
Ethanol	60	73	39-117	20	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 02/13/10
Work Order No: 10-02-1272
Preparation: EPA 5030B
Method: EPA 8260B

Project 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1534-2	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10**	**100218S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	104	40-142	1	0-18	
Carbon Tetrachloride	97	96	37-139	1	0-20	
Chlorobenzene	100	102	43-127	1	0-26	
1,2-Dibromoethane	103	102	70-130	2	0-30	
1,2-Dichlorobenzene	99	98	40-160	1	0-36	
1,1-Dichloroethene	119	115	16-178	3	0-25	
Ethylbenzene	104	104	70-130	0	0-30	
Toluene	98	98	44-128	0	0-15	
Trichloroethene	106	106	47-131	0	0-19	
Vinyl Chloride	84	83	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	108	107	42-150	1	0-34	
Tert-Butyl Alcohol (TBA)	87	98	61-109	11	0-47	
Diisopropyl Ether (DIPE)	114	114	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	109	109	73-132	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	101	82-120	2	0-25	
Ethanol	91	111	39-117	20	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.	Date Received:	N/A
312 Piercy Rd.	Work Order No:	10-02-1272
San Jose, CA 95138-1401	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-978	**Solid**	**GC 49**	**02/16/10**	**02/16/10**	**100216B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	103	106	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-02-1272
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-820	**Solid**	**GC/MS W**	**02/17/10**	**02/17/10**	**100217L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	100	85-115	80-120	6	0-11	
Carbon Tetrachloride	91	96	68-134	57-145	5	0-14	
Chlorobenzene	100	102	83-119	77-125	2	0-9	
1,2-Dibromoethane	99	105	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	97	102	57-135	44-148	4	0-10	
1,1-Dichloroethene	100	104	72-120	64-128	3	0-10	
Ethylbenzene	100	102	80-120	73-127	1	0-20	
Toluene	92	94	67-127	57-137	3	0-10	
Trichloroethene	96	100	88-112	84-116	4	0-9	
Vinyl Chloride	94	96	57-129	45-141	2	0-16	
Methyl-t-Butyl Ether (MTBE)	98	104	76-124	68-132	6	0-12	
Tert-Butyl Alcohol (TBA)	77	87	31-145	12-164	12	0-23	
Diisopropyl Ether (DIPE)	101	107	74-128	65-137	5	0-10	
Ethyl-t-Butyl Ether (ETBE)	100	106	77-125	69-133	5	0-9	
Tert-Amyl-Methyl Ether (TAME)	97	101	81-123	74-130	4	0-10	
Ethanol	76	93	44-152	26-170	19	0-24	
TPPH	102	98	65-135	53-147	4	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-02-1272
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-824	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10**	**100218L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	98	85-115	80-120	0	0-11	
Carbon Tetrachloride	90	89	68-134	57-145	1	0-14	
Chlorobenzene	100	99	83-119	77-125	1	0-9	
1,2-Dibromoethane	100	100	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	2	0-10	
1,1-Dichloroethene	101	100	72-120	64-128	1	0-10	
Ethylbenzene	101	99	80-120	73-127	2	0-20	
Toluene	94	95	67-127	57-137	1	0-10	
Trichloroethene	100	98	88-112	84-116	2	0-9	
Vinyl Chloride	99	98	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	101	102	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	76	86	31-145	12-164	13	0-23	
Diisopropyl Ether (DIPE)	107	106	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	104	103	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	97	99	81-123	74-130	2	0-10	
Ethanol	82	92	44-152	26-170	11	0-24	
TPPH	101	97	65-135	53-147	4	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-02-1272

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE ( )
- ☐ SPL ( )
- ☐ XENCO ( )
- ☐ TEST AMERICA ( )
- ☐ OTHER ( )

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☑ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☒ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Regina Bussard

PO #

INCIDENT # (ENV SERVICES): 97565975

SAP #: 135244

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/10/10

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Delta Consultants		8999 San Ramon Rd ; Dublin	CA	

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
312 Piercy Road; San Jose, CA 95138	Angela Pico	408-826-1862	apico@deltaenv.com	SCA8999S1D

PROJECT CONTACT (Hardcopy or PDF Report to): ~~Suzanne McClurkin-Nelson~~ Regina Bussard

TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
408-826-1856	408-324-6801	~~SMcClurkin-Nelson@deltaenv.com~~	Cora Olson	10-02-1272

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Send results to: colson@deltaenv.com RBussard@deltaenv.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel tank: TPH-D Extractable (8015M)			+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)				TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	MW-1R @ 10'	2/10/10	9:20	Soil				X		1	X	X	X			X									X							5- Shell Oxygenates =
2	MW-1R@15'	2/10/10	9:40																					HOLD		HOLD						MTBE, TBA, DIPE
3	MW-1R @ 20'	2/10/10	9:55																					HOLD		HOLD						ETBE, TAME
4	MW-1R@25'	2/10/10	10:15																					HOLD		HOLD						
5	MW-1R@30'	2/10/10	10:30																					HOLD		HOLD						Run Diesel
6	MW-1R@35'	2/10/10	11:00																						X							CEO 2-12-10
7	MW-1R@40'	2/10/10	11:15																					HOLD		HOLD						
																								CEO 2-12-10								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		2/10/10	
GSO	GEL	2-13-10	9:45

05/2/06 Revision

PLEASE PRESS FIRMLY

GSO GOLDEN STATE OVERNIGHT

1-800-322-5555

WWW.GSO.COM

SHIPPING AIR BILL

PACKAGE LABEL

1 FROM

DATE 2-12-10

COMPANY Delta Consultants

ADDRESS 312 Piety Rd

ADDRESS STE/ ROOM

CITY San Jose ZIP CODE 95119

SENDERS NAME Erin Olson PHONE NUMBER 408-224-1822

2 TO

COMPANY CAL SCIENCE

NAME PHONE NUMBER 714-895-5494

ADDRESS 7440 LINCOLN WAY

ADDRESS STE/ ROOM

CITY GARDEN GROVE ZIP CODE 92841

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

4 PACKAGE INFORMATION

- ☐ LETTER (MAX 8 OZ)
- ☐ PACKAGE (WT) _____
- ☐ DECLARED VALUE $_____
- ☐ COD AMOUNT $_____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE

- ☐ PRIORITY OVERNIGHT BY 10:30 AM
- ☐ EARLY PRIORITY BY 8:00 AM
- ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT

6 RELEASE SIGNATURE _____

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____ TIME DRIVER # ROUTE #

105866785

PEEL OFF HERE

105866785

9 GSO TRACKING NUMBER

1272

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-02-1272

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta

DATE: 02/13/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.6 °C + 0.5 °C (CF) = 3.3 °C ☐ Blank ☒ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** DLD

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** DLD

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** [illegible]

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☒Sleeve (B) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** [illegible]

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO3 **na$_2$:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** [illegible]

Calscience Environmental Laboratories, Inc.

February 25, 2010

Regina Bussard
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-02-1271**
Client Reference: 8999 San Ramon Rd., Dublin, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/13/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 02/13/10
Work Order No: 10-02-1271
Preparation: EPA 3550B
Method: EPA 8015B

Project: 8999 San Ramon Rd., Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3R	**10-02-1271-1-A**	**02/11/10 10:40**	**Solid**	**GC 49**	**02/16/10**	**02/16/10 21:15**	**100216B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-978**	**N/A**	**Solid**	**GC 49**	**02/16/10**	**02/16/10 17:36**	**100216B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	02/13/10
312 Piercy Rd.		Work Order No:	10-02-1271
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 8999 San Ramon Rd., Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3R	**10-02-1271-1-A**	**02/11/10 10:40**	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10 17:51**	**100218L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	71-137			1,2-Dichloroethane-d4	110	58-160		
Toluene-d8	102	87-111			1,4-Bromofluorobenzene	100	66-126		
Toluene-d8-TPPH	101	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-823**	**N/A**	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10 13:58**	**100218L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	71-137			1,2-Dichloroethane-d4	103	58-160		
Toluene-d8	100	87-111			1,4-Bromofluorobenzene	99	66-126		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.		Date Received:	02/13/10
312 Piercy Rd.		Work Order No:	10-02-1271
San Jose, CA 95138-1401		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1024-1	**Solid**	**GC 49**	**02/16/10**	**02/16/10**	**100216S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	102	113	64-130	10	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 02/13/10
Work Order No: 10-02-1271
Preparation: EPA 5030B
Method: EPA 8260B

Project 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1534-2	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10**	**100218S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	104	40-142	1	0-18	
Carbon Tetrachloride	97	96	37-139	1	0-20	
Chlorobenzene	100	102	43-127	1	0-26	
1,2-Dibromoethane	103	102	70-130	2	0-30	
1,2-Dichlorobenzene	99	98	40-160	1	0-36	
1,1-Dichloroethene	119	115	16-178	3	0-25	
Ethylbenzene	104	104	70-130	0	0-30	
Toluene	98	98	44-128	0	0-15	
Trichloroethene	106	106	47-131	0	0-19	
Vinyl Chloride	84	83	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	108	107	42-150	1	0-34	
Tert-Butyl Alcohol (TBA)	87	98	61-109	11	0-47	
Diisopropyl Ether (DIPE)	114	114	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	109	109	73-132	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	101	82-120	2	0-25	
Ethanol	91	111	39-117	20	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.	Date Received:	N/A
312 Piercy Rd.	Work Order No:	10-02-1271
San Jose, CA 95138-1401	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-978	**Solid**	**GC 49**	**02/16/10**	**02/16/10**	**100216B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	103	106	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-02-1271
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Rd., Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-823	**Solid**	**GC/MS W**	**02/18/10**	**02/18/10**	**100218L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	98	85-115	80-120	0	0-11	
Carbon Tetrachloride	90	89	68-134	57-145	1	0-14	
Chlorobenzene	100	99	83-119	77-125	1	0-9	
1,2-Dibromoethane	100	100	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	100	57-135	44-148	2	0-10	
1,1-Dichloroethene	101	100	72-120	64-128	1	0-10	
Ethylbenzene	101	99	80-120	73-127	2	0-20	
Toluene	94	95	67-127	57-137	1	0-10	
Trichloroethene	100	98	88-112	84-116	2	0-9	
Vinyl Chloride	99	98	57-129	45-141	1	0-16	
Methyl-t-Butyl Ether (MTBE)	101	102	76-124	68-132	1	0-12	
Tert-Butyl Alcohol (TBA)	76	86	31-145	12-164	13	0-23	
Diisopropyl Ether (DIPE)	107	106	74-128	65-137	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	104	103	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	97	99	81-123	74-130	2	0-10	
Ethanol	82	92	44-152	26-170	11	0-24	
TPPH	101	97	65-135	53-147	4	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-02-1271

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box: 103
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☑ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☒ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Regina Bussard

PO #

INCIDENT # (ENV SERVICES) 9 7 5 6 5 9 9 5

☐ CHECK IF NO INCIDENT # APPLIES

SAP # 1 3 5 2 4 4

DATE: 2/12/10

PAGE: 1 of 1

SAMPLING COMPANY: Delta Consultants	LOG CODE:	SITE ADDRESS: Street and City: 8999 San Ramon Rd ; Dublin	State: CA
ADDRESS: 312 Piercy Road; San Jose, CA 95138		GLOBAL ID NO.:	
PROJECT CONTACT (Hardcopy or PDF Report to): ~~Suzanne McClurkin-Nelson~~ Regina Bussard		EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico	PHONE NO.: 408-826-1862
TELEPHONE: 408-826-1876	FAX: 408-324-6801	E-MAIL: ~~SMcClurkin-Nelson@deltaenv.com~~ apico@deltaenv.com	CONSULTANT PROJECT NO.: SCA8999S1D
E-MAIL: RB 2/12/10		SAMPLER NAME(S) (Print): Cora Olson	LAB USE ONLY: 10-02-1271

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Send results to: colson@deltaenv.com RBussard@deltaenv.com

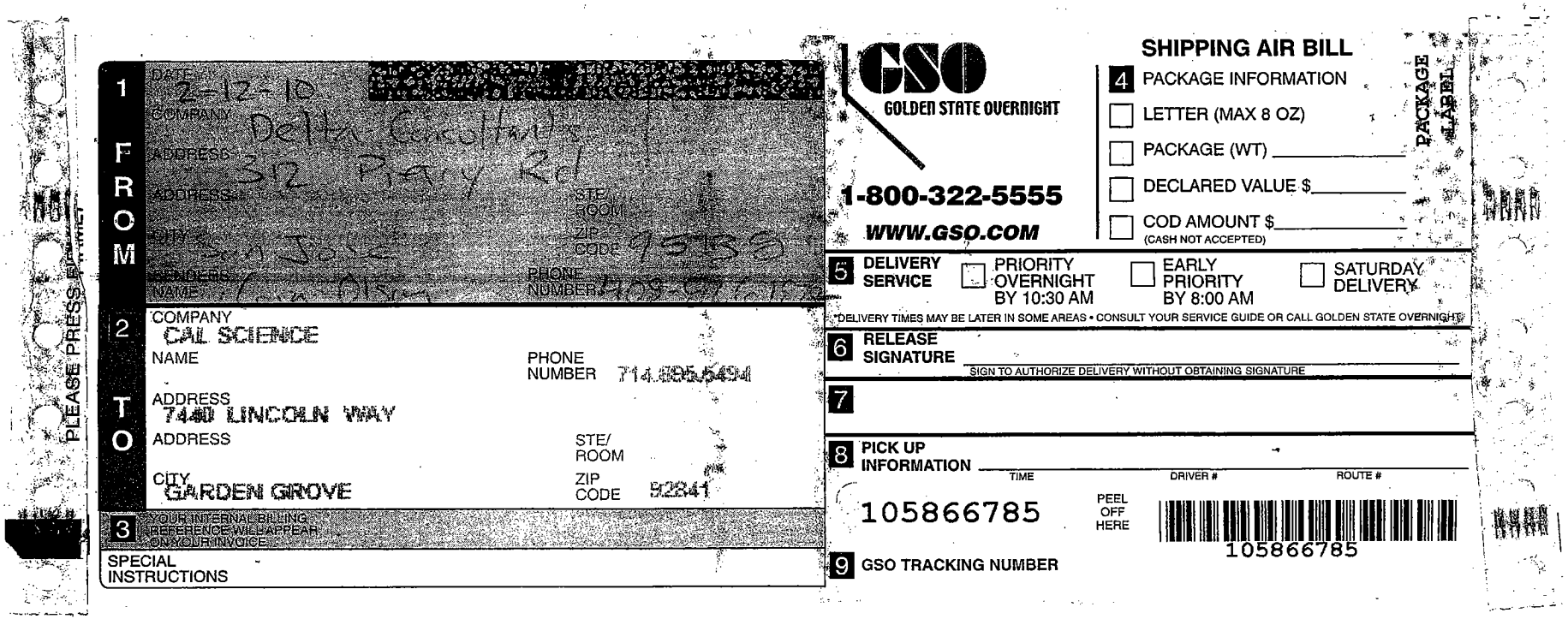
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel tank: TPH-D Extractable (8015M)			+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	MW-3R	2/11/10	10:40	Soil				X		1	X	X	X			X NO GSO 2-12-10									X						5- Shell Oxygenates =
																															MTBE, TBA, DIPE
																															ETBE, TAME

Relinquished by: (Signature)	Received by: (Signature)	Date: 2-12-10	Time:
Relinquished by: (Signature) GSO	Received by: (Signature) CEL	Date: 2.13.10	Time: 9:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision



PLEASE PRESS FIRMLY

1 FROM

DATE 2-12-10
COMPANY Delta Consultants
ADDRESS 312 Pacific Ave
ADDRESS
CITY San Jose
SENDER'S NAME
STE/ ROOM
ZIP CODE 95135
PHONE NUMBER 408-224-7274

2 TO

COMPANY CAL SCIENCE
NAME
PHONE NUMBER 714.895.5494
ADDRESS 7440 LINCOLN WAY
ADDRESS
STE/ ROOM
CITY GARDEN GROVE
ZIP CODE 92841

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

GSO GOLDEN STATE OVERNIGHT

1-800-322-5555

WWW.GSO.COM

SHIPPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION

- ☐ LETTER (MAX 8 OZ)
- ☐ PACKAGE (WT) _____
- ☐ DECLARED VALUE $_____
- ☐ COD AMOUNT $_____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE

- ☐ PRIORITY OVERNIGHT BY 10:30 AM
- ☐ EARLY PRIORITY BY 8:00 AM
- ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT

6 RELEASE SIGNATURE _____
SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____
TIME DRIVER # ROUTE #

105866785

PEEL OFF HERE

105866785

9 GSO TRACKING NUMBER

(127)

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-02-1271

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta DATE: 02/13/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.6 °C + 0.5 °C (CF) = 3.3 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: DLD

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DLD

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: ds

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (B) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** SA

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO3 **na$_2$:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:**

Calscience Environmental Laboratories, Inc.

March 26, 2010

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 10-03-1660**
Client Reference: 8999 San Ramon Road, Dublin, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/20/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	03/20/10
1680 Rogers Avenue		Work Order No:	10-03-1660
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1R	**10-03-1660-1-E**	**03/19/10 14:10**	**Aqueous**	**GC 43**	**03/23/10**	**03/24/10 20:58**	**100323B14**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**10-03-1660-2-E**	**03/19/10 14:00**	**Aqueous**	**GC 43**	**03/23/10**	**03/24/10 21:18**	**100323B14**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,583**	**N/A**	**Aqueous**	**GC 43**	**03/23/10**	**03/24/10 17:18**	**100323B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	03/20/10
1680 Rogers Avenue		Work Order No:	10-03-1660
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 8999 San Ramon Road, Dublin, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1R	**10-03-1660-1-B**	**03/19/10 14:10**	**Aqueous**	**GC/MS T**	**03/24/10**	**03/24/10 17:22**	**100324L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	2400	50	5	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	1.7	1.0	1		TPPH	91	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	106	80-141	
Toluene-d8	106	80-120		Toluene-d8-TPPH	106	88-112	
1,4-Bromofluorobenzene	96	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**10-03-1660-2-B**	**03/19/10 14:00**	**Aqueous**	**GC/MS T**	**03/24/10**	**03/24/10 14:19**	**100324L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	104	80-141	
Toluene-d8	103	80-120		Toluene-d8-TPPH	104	88-112	
1,4-Bromofluorobenzene	96	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-3,634**	**N/A**	**Aqueous**	**GC/MS T**	**03/24/10**	**03/24/10 13:49**	**100324L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	104	80-141	
Toluene-d8	103	80-120		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	95	76-120					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 03/20/10
Work Order No: 10-03-1660
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	**Aqueous**	**GC/MS T**	**03/24/10**	**03/24/10**	**100324S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	106	72-120	1	0-20	
Carbon Tetrachloride	113	113	63-135	0	0-20	
Chlorobenzene	102	101	80-120	1	0-20	
1,2-Dibromoethane	105	103	80-120	2	0-20	
1,2-Dichlorobenzene	103	102	80-120	1	0-20	
1,1-Dichloroethene	93	92	60-132	1	0-24	
Ethylbenzene	108	106	78-120	3	0-20	
Toluene	104	104	74-122	0	0-20	
Trichloroethene	104	104	69-120	0	0-20	
Vinyl Chloride	91	90	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	90	91	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	102	100	72-126	1	0-20	
Diisopropyl Ether (DIPE)	99	98	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	91	92	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	102	76-124	0	0-20	
Ethanol	106	86	35-167	21	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	10-03-1660
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,583	**Aqueous**	**GC 43**	**03/23/10**	**03/24/10**	**100323B14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	101	101	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-03-1660
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-3,634	**Aqueous**	**GC/MS T**	**03/24/10**	**03/24/10**	**100324L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	110	109	80-122	73-129	1	0-20	
Carbon Tetrachloride	117	116	68-140	56-152	1	0-20	
Chlorobenzene	106	104	80-120	73-127	2	0-20	
1,2-Dibromoethane	109	110	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	105	103	80-120	73-127	2	0-20	
1,1-Dichloroethene	96	94	72-132	62-142	1	0-25	
Ethylbenzene	111	107	80-126	72-134	3	0-20	
Toluene	108	105	80-121	73-128	3	0-20	
Trichloroethene	109	107	80-123	73-130	2	0-20	
Vinyl Chloride	94	85	67-133	56-144	11	0-20	
Methyl-t-Butyl Ether (MTBE)	93	95	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	104	103	75-123	67-131	0	0-20	
Diisopropyl Ether (DIPE)	102	101	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	95	96	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	105	80-123	73-130	1	0-20	
Ethanol	109	91	61-139	48-152	18	0-27	
TPPH	101	104	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-03-1660

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:

☐ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SD&CM	☑ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER _____	

Print Bill To Contact Name: Regina Bussard

INCIDENT # (ENV SERVICES): 9 7 5 6 5 9 9 5 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3-19-10

PAGE: 1 of 1

PO # | SAP #

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin | State: CA | GLOBAL ID NO: T0600159797

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico, Delta, San Jose Office | PHONE NO: 408.826.1862 | E-MAIL: apico@deltaenv.com | CONSULTANT PROJECT NO: BTS # 100319-BP2

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

TELEPHONE: (408)573-0555 | FAX: (408)573-7771 | E-MAIL: mninokata@blainetech.com

SAMPLER NAME(S) (Print): B Panell

LAB USE ONLY: 10-03-1660

TURNAROUND TIME (CALENDAR DAYS): ☐ STANDARD (14 DAY) ☑ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

CC Regina Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1R	3/19/10	1410	W	X			X		5	X	X	X	X										
2	MW-3	3/19/10	1400	W	X			X		5	X	X	X	X										

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) B Panell	Received by: (Signature) CEL	Date: 3-19-10	Time: 1500
Relinquished by: (Signature) 3-19-10 1730	Received by: (Signature) CEL	Date: 3/20/10	Time: 9:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

1660

GSO

WebShip

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
BTS, ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 513788369

SDS

ORC **D**

GARDEN GROVE

D92843A

80191997

Print Date : 03/19/10 17:16 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-03-1660

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 03/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.7 °C + 0.5 °C (CF) = 3.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:**

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:**

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:**

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (2) ☐VOA**na**$_2$ ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na**$_2$ ☐1AGB**s**

☐500AGB ☑500AGJ (2) ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na**$_2$ ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:**

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:**

Preservative: **h:** HCL **n:** HNO3 **na**$_2$: $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:**

ATTACHMENT E

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 SAN RAMON RD, DUBLIN Date 3/11/10

Job Number 100311AK1 Technician AK Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1R	✓				✓				NO TAG
MW-3	✓				✓				NO TAG

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 100311AK1 Date 3/11/10 Client SHELL

Site 8999 SAN RAMON RD, DUBLIN

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1R	1238	4					26.56	37.20		
MW-3	1455	4					22.60	33.30		

WELL DEVELOPMENT DATA SHEET

Project #: 100311AK1	Client: SHELL
Developer: AK	Date Developed: 3/11/10
Well I.D. MW-1R	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 37.20 After ~~29.70~~ 39.83 AK	Depth to Water: Before 26.56 After ~~39.83~~ 29.70 AK
Reason not developed:	If Free Product, thickness:
Additional Notations: WC = 10.64	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume		Specified Volumes		gallons
6.91	X	10	=	~~20.74~~ 69.10 (AC)

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW: NOTATIONS:
SURGED	WELL	FOR	10 MIN	PRIOR	TO USING	PUMP
1308	66.8	8.17	1662	>1000	7.00	29.82 BROWN/THICK
1320	66.8	7.92	1310	>1000	14.00	29.88 BROWN/THICK
1328	66.4	7.49	1181	>1000	21.00	30.20 HARD BOTTOM
1337	66.2	7.36	1149	>1000	28.00	30.20 BROWN
1345	65.9	7.29	1125	>1000	35.0	30.28 HARD BOTTOM
1354	66.5	7.29	1058	>1000	42.0	30.58 TURBID
1402	66.5	7.24	984	>1000	49.0	30.50 HARD BOTTOM
1411	65.9	7.25	941	>1000	56.0	30.58 CLEARING
1418	66.2	7.22	908	>1000	63.0	30.77 HARD BOTTOM
1427	66.1	7.23	892	>1000	70.0	30.68 DEVELOPED

Did Well Dewater? NO | If yes, note above. | Gallons Actually Evacuated: 70.0

WELL DEVELOPMENT DATA SHEET

Project #: 100391ARC1	Client: SHELL
Developer: ARC	Date Developed: 3/11/10
Well I.D. MW-3	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 33.30 After 34.76	Depth to Water: Before 22.60 After 27.02
Reason not developed:	If Free Product, thickness:
Additional Notations: WC = 10.76	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

6.9	X	10	=	69.5
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___
Other equipment used SURGE BLOCK

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
SURGED WELL FOR 10 MINS				PRIOR TO USING PUMP		
1522	66.4	10.08	1010	>1000	7.0	26.12 TURBID
1529	67.7	9.12	990	>1000	14.0	26.91 TURBID
1536	67.4	8.21	810	>1000	21.0	27.57 TURBID
1541	67.6	7.39	718	>1000	28.0	28.00 HARD BOTTOM
1549	67.3	7.03	649	>1000	35.0	28.18 TURBID
1555	66.8	6.92	634	>1000	42.0	28.50 HARD BOTTOM
1600	67.5	6.91	622	>1000	49.0	28.62 CLEARING
1605	67.6	6.97	611	>1000	~~56.0~~ 56.0	28.84 HARD BOTTOM
1610	66.8	6.89	609	>1000	63.0	28.11 CLEARING
1616	66.3	6.84	598	494	70.0	28.15 DEVELOPED

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	70.0

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 San Ramon Rd Dublin CA Date 3-19-10

Job Number 100319-BP2 Technician B. Parnell Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1R	X							X	Annular seal sunken, NO TAG
MW-3	X							X	NO TAG
MW-5	X	X	X						
MW-5B	X	X							
MW-5C	X	X							
MW-7	X	X							
MW-8	X	X							
MW-8B	X	X							
MW-9	X	X	X						
MW-11	X	X							
MW-11B	X	X							
MW-12	X	X							

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 100319-BPZ Date 3-19-10 Client Shell

Site 8999 San Ramon Rd Dublin CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1R	1301	4					26.09	39.82		
MW-3	1307	4					22.30	34.79		
MW-5	1250	4					26.18	28.41		
MW-5B	1240	4					27.39	66.71		
MW-5C	1245	4					33.08	98.69		
MW-7	1255	4					27.55	28.58		
MW-8	1225	4					23.89	28.84		
MW-8B	1230	4					25.36	68.32		
MW-9	1237	4					28.75	28.85		
MW-11	1215	2					DRY	28.52		
MW-11B	1210	4					30.54	39.25		
MW-12	1220	4					30.34	38.65		

SHEI WELL MONITORING DATA HEET

BTS #: 100319-BP2	Site: 8999 San Ramon Rd Dublin CA
Sampler: B Panell	Date: 3-19-10
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.82	Depth to Water (DTW): 26.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.84	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✗Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: ✗Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

WC: 13.73

8.9 (Gals.) X 3 = 26.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	(0.65)
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1336	69.7	7.01	914	225	8.9	
1337	69.8	6.82	1061	>1000	17.8	
1339	70.2	6.85	941	>1000	26.7	DTW: 31.29

Did well dewater? Yes (No) Gallons actually evacuated: 27.0

Sampling Date: 3-19-10 Sampling Time: 1410 Depth to Water: 26.78

Sample I.D.: MW-1R Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) (Oxygenates (5)) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHE. WELL MONITORING DAT HEET

BTS #: 100319-BP2	Site: 8999 San Ramon Rd Dublin CA
Sampler: B Parnell	Date: 3-19-10
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.79 (BP)	Depth to Water (DTW): 22.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.80	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✗Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: ✗Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

WC: 12.49

8.1 (Gals.) X 3 = 24.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	(0.65)
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1321	71.1	9.27	673	323	8.1	
1322	70.1	7.08	667	>1000	16.2	
1324	70.7	6.99	684	>1000	24.3	DTW: 27.10

Did well dewater? Yes (No) Gallons actually evacuated: 25.0

Sampling Date: 3-19-10 Sampling Time: 1400 Depth to Water: 23.12

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) (Oxygenates (5)) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

ATTACHMENT F

WELL SURVEY RESULTS

	A	B	C	D	E	F	G	H	I	J	K	L
1	**SHELL OIL PRODUCTS US**											
2	**SHELL-BRANDED SERVICE STATION**											
3	**8999 San Ramon Road**											
4	**Dublin, California**											
5												
6	**DELTA Project Number SCA8999S1**											
7												
8	Project : 05104X4											
9	User name MCE			Date & Time 10:09:26 AM 3/22/2010								
10	Coordinate System US State Plane 1983			Zone California Zone 3 0403								
11	Project Datum NAD 1983 (Conus)											
12	Vertical Datum NGVD 29											
13	Coordinate Units US survey feet											
14	Distance Units US survey feet											
15	Elevation Units US survey feet											
16												
17		MW-1R	MW	03/17/2010	37.7226394	-121.9419910	CGPS	NAD83	1	Mid Coast Engineers	T57	top of casing
18		MW-3R	MW	03/17/2010	37.7228484	-121.9416018	CGPS	NAD83	1	Mid Coast Engineers	T57	top of casing

	A	B	C	D	E	F	G	H	I
1	**SHELL OIL PRODUCTS US**								
2	**SHELL-BRANDED SERVICE STATION**								
3	**8999 San Ramon Road**								
4	**Dublin, California**								
5									
6	**DELTA Project Number SCA8999S1**								
7									
8	Project : 05104X4								
9	User name MCE		Date & Time 10:09:26 AM 3/22/2010						
10	Coordinate System US State Plane 1983		Zone California Zone 3 0403						
11	Project Datum NAD 1983 (Conus)								
12	Vertical Datum NGVD 29								
13	Coordinate Units US survey feet								
14	Distance Units US survey feet								
15	Elevation Units US survey feet								
16									
17		MW-1R	03/17/2010	421.41	CGPS	29	0.5	Mid Coast Engineers	-0.31
18		MW-3R	03/17/2010	417.18	CGPS	29	0.5	Mid Coast Engineers	-0.42