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**Alameda County
Environmental Health**

SAFEWAY 

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August 24, 2009

Paresh C. Khatri
ALAMEDA COUNTY ENVIRONMENTAL HEALTH
131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Project No. 33108-0086470.00

Subject: Groundwater Monitoring Report – Third Quarter 2009
Former Quest Laboratory
6511 Golden Gate Drive
Dublin, California (Fuel Leak Case No. RO0002860)

Dear Mr. Khatri:

On behalf of Safeway, Bureau Veritas North America, Inc. has prepared the attached *Groundwater Monitoring Report – Third Quarter 2009* for the above site in Dublin, California. 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.

If you have any comments or questions regarding the report please contact me at (925) 226-5845 or at jeff.brown@safeway.com.

Sincerely,



Jeffrey Brown
Safeway Inc.
4410 Rosewood Dr
Pleasanton, California 94588

JB/daa

Enclosure

Safeway Inc.
4410 Rosewood Drive
Pleasanton, CA 94588-3492



August 13, 2009

Paresh C. Khatri
ALAMEDA COUNTY ENVIRONMENTAL HEALTH
131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Project No. 33108-008647.00

Subject: Groundwater Monitoring Report – Third Quarter 2009
Former Quest Laboratory
6511 Golden Gate Drive
Dublin, California (Fuel Leak Case No. RO0002860)

Dear Mr. Khatri:

Bureau Veritas North America, Inc. is pleased to present the attached *Groundwater Monitoring Report – Third Quarter 2009* for the above site in Dublin, California. The report summarizes the findings of our investigation.

Bureau Veritas is pleased to be of service to Alameda County Environmental Health and Safeway Inc. Please contact me at 925.426.2679 or by email at don.ashton@us.bureauveritas.com, if you have any questions or comments.

Sincerely,

Donald Ashton
Senior Geologist
Environmental Services

cc: Kevin Thompson – Safeway Inc.
Jeff Brown – Safeway Inc.

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services

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***Groundwater Monitoring Report
Third Quarter 2009
(Fuel Leak Case No. RO0002860)***

Former Quest Laboratory
6511 Golden Gate Drive
Dublin, California

August 13, 2009
Project No. 33108-008647.00

Prepared for
Safeway Inc.
Pleasanton, California



For the benefit of business and people

Bureau Veritas North America, Inc.
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- B Laboratory Analytical Data Sheets and Chain-of-Custody Record



1.0 INTRODUCTION

Safeway Inc. (Safeway) retained Bureau Veritas North America, Inc. (Bureau Veritas) to perform groundwater monitoring for the third quarter 2009 event at the former Quest Laboratory property located at 6511 Golden Gate Drive in Dublin, California (the Site, Figure 1). This work was performed regarding Alameda County Environmental Health (ACEH) Fuel Leak Case No. RO0002860 in response to a letter from the ACEH, dated September 16, 2008.

2.0 BACKGROUND

In 2003, prior to purchasing the site, Safeway retained Clayton Group Services, Inc. (now Bureau Veritas) to conduct Phase I and II Environmental Site Assessments. The Phase I ESA found that the Site had been used for agriculture from at least 1954 to about 1981, when the current facility was constructed. The facility was used as a biomedical laboratory from 1982 to late 2003, when Quest Laboratory vacated the facility and sold the property to Safeway. A former gasoline UST existed at the north property boundary and was removed in 1989, receiving closure by ACEH in 1990. Clayton's *Phase II Environmental Investigation at the Former Quest Laboratory 6511 Golden Gate Drive, Dublin, California*, dated April 26, 2004 (Clayton 2004) reports the finding of petroleum hydrocarbons in groundwater in a limited number of samples collected below and downgradient of the former UST. On October 7, 2004, Clayton submitted a copy of its 2004 Phase II report to ACEH disclosing the petroleum hydrocarbon findings at the request of Safeway.

ACEH notified Safeway that the site had been re-opened as a Fuel Leak Case (Geotracker Global ID: T06019799610) requiring additional investigation, in a letter dated July 3, 2008. Bureau Veritas conducted an additional investigation, installed three groundwater-monitoring wells, and submitted a report summarizing its findings entitled: *Additional Soil and Groundwater Investigation at Former Quest Laboratory*, dated March 13, 2009. Groundwater in two wells was found to contain low concentrations of petroleum hydrocarbons that slightly exceeded the Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (RWQCB). To further characterize the local groundwater quality, subsequent quarterly monitoring was conducted. The findings from the third quarter 2009 event are summarized in this report.

3.0 SCOPE OF WORK

Bureau Veritas performed the following scope of work:

- Conducted groundwater depth monitoring and collected groundwater samples from each well.
- Analyzed groundwater samples for petroleum hydrocarbons.
- Prepared this technical report that documents the field activities, findings, and conclusions.



- Submitted data to the State Water Resources Control Board (SWRCB) GeoTracker program (following completion of final report).

3.1 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

3.1.1 Well Monitoring and Sampling

On the day of sampling (July 31, 2009), the well casings were opened allowing the groundwater levels to stabilize. The depth to water and the total depth of the water column were measured in each casing, and the volume of the water columns calculated. The wells were then purged using a 'low-flow purging technique' and the water quality parameters were monitored. A peristaltic pump with new tubing was used to purge groundwater from each monitoring well at a 'low flow' rate of approximately 200 milliliters or less per minute. Water quality parameters (pH, specific conductivity, temperature, turbidity, oxidation-reduction potential (ORP), and dissolved oxygen) were recorded onto groundwater sampling data sheets at timed intervals. The sampling data sheets are presented in Appendix A.

Upon purging sufficient water from the monitoring wells and allowing for sufficient recovery, groundwater samples were collected for laboratory analysis. The sample container size, type, and sample preservative corresponded to the requested analytical method. Sample containers were sealed, labeled with identifying information, logged onto the chain-of custody, and temporarily stored in a chilled ice-chest for transportation to the laboratory. Groundwater removed from monitoring wells during development and purging was stored onsite in a sealed and labeled 55-gallon drum meeting Department of Transportation requirements, pending proper disposal.

4.0 LABORATORY ANALYSIS

Bureau Veritas submitted three (3) groundwater samples for laboratory analysis by the following United States Environmental Protection Agency (USEPA) approved methods:

- USEPA Method 8015B Modified for Purgable Total Petroleum Hydrocarbons as gasoline (TPH-G), and Extractable Petroleum Hydrocarbons as diesel and motor oil (TPH-D and TPH-O).

Groundwater samples were analyzed by Curtis & Tompkins, Ltd. of Berkeley, California, a state certified laboratory. The laboratory prepared the generated data in the required electronic deliverable data (EDD) format for uploading into GeoTracker database.

5.0 FINDINGS

A summary of the findings from this investigation is presented below.



5.1 GROUNDWATER ELEVATION MONITORING

On July 31, 2009 the groundwater elevation was found to range between 326.44 feet (MW-2) and 326.74 feet (MW-1) above mean sea level. Groundwater elevations are presented in Table 1. This data was used to produce a groundwater elevation map with contours (Figure 3). Groundwater flow interpreted from this data is southeasterly at a gradient of 0.004 feet per foot as measured between wells MW-1 and MW-3.

5.2 GROUNDWATER

Analytical results for the three analyzed groundwater samples (MW-1, MW-2 and MW-3) were found to be below the laboratory reporting limits for TPH ranged compounds. The analytical results for the groundwater samples are summarized in Table 2.

6.0 CONCLUSION

The southeasterly groundwater gradient measured for this monitoring event follows the regional topography. Concentrations of TPH compounds were not detected in groundwater and appear to indicate that the on Site fuel release has degraded below detectable concentrations. The relatively flat groundwater gradient indicates that groundwater is migrating at a slow rate.

7.0 RECOMMENDATIONS

Bureau Veritas recommends continued groundwater monitoring to further demonstrate the groundwater quality at the Site per ACEH's request.



8.0 LIMITATIONS

The information and opinions included in this report were given in response to a specific scope of work and should be considered and implemented only in light of that particular scope of work. The services provided by Bureau Veritas in completing this project have been provided in a manner consistent with the normal standards of the profession. No other warranty, expressed or implied, is made.

This report was prepared by:

Donald A. Ashton, P.G.
Senior Geologist
Environmental Services



This report was reviewed by:

Jon A. Rosso, P.E.
Director
Environmental Services
San Francisco Regional Office
August 13, 2009



TABLES

TABLE 1
Groundwater Elevation Data
6511 Golden Gate Drive, Dublin, CA
 Project No. 33108-0086470.00

Monitoring Well	Measurement Date	Top of Casing (TOC) Elevation * (ft) NGVD 29	Depth to Groundwater (ft) from TOC	Groundwater Elevation (ft)	Change from Previous Measurement (ft)
MW-1	1/15/2009	342.68	15.59	327.09	First Sampling
	4/16/2009		14.55	328.13	1.04
	7/31/2009		15.94	326.74	-1.39
MW-2	1/15/2009	342.53	15.79	326.74	First Sampling
	4/16/2009		14.81	327.72	0.98
	7/31/2009		16.09	326.44	-1.28
MW-3	1/15/2009	342.99	16.21	326.78	First Sampling
	4/16/2009		15.21	327.78	1.00
	7/31/2009		16.52	326.47	-1.31

Legend

* = Well Casing survey conducted on January 28, 2009 by Virgil Chavez Land Surveying (Geotracker ID: T06019799610)

NGVD 29 = National Geodetic Vertical Datum - 1929

Well Screen intervals: 10' to 20' bgs (installed January 8, 2009).

TABLE 2
Summary of Groundwater Analytical Results - TPH and VOCs
6511 Golden Gate Drive, Dublin, CA
Project No. 33108-008647.00

Sample ID	Date	Units	TPH-g	TPH-d	TPH-mo	Aromatics BTEX	Oygenates: MTBE, TAME, DIPE, ETBE	Oxygenate TBA	EDB & 1,2-DCA	sec-Butyl benzene	4-Isobpropyl touene
MW-1	1/15/2009	ug/L	99	89	<250	< 0.5	< 0.5	< 2.0	< 0.5	0.53	<0.5
	4/16/2009	ug/L	< 50	< 50	<250	< 0.5	< 0.5	< 2.0	--	--	--
	7/31/2009	ug/L	< 50	< 50	<250	--	--	--	--	--	--
MW-2	1/15/2009	ug/L	<50	< 50	<250	< 0.5	< 0.5	< 2.0	< 0.5	<0.5	0.62
	4/16/2009	ug/L	<50	< 50	<250	< 0.5	< 0.5	< 2.0	--	--	--
	7/31/2009	ug/L	<50	< 50	<250	--	--	--	--	--	--
MW-3	1/15/2009	ug/L	140	85	<250	< 0.5	< 0.5	< 2.0	< 0.5	<0.5	<0.5
	4/16/2009	ug/L	< 50	< 50	<250	< 0.5	< 0.5	< 2.0	--	--	--
	7/31/2009	ug/L	< 50	< 50	<250	--	--	--	--	--	--
ESLs - Tier 1 - Table A		ug/L	100	100	100	1	Varies	NE	Varies	NE	NE

Notes:

ug/L = micrograms per liter

TPH = Total Petroleum Hydrocarbons, compound range as gasoline (-g) by EPA Method 8015B

TPH = Total Petroleum Hydrocarbons, compound ranges as diesel (-d) and motor oil (-mo) by EPA Method 8015B with Silica Gel Cleanup

Aromatic volatiles = BTEX: benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260B

Oxygenates: MTBE (methyl tert-butyl ether), TAME (tert-Amyl methyl ether), DIPE (Diisopropyl ether), & ETBE (Ethyl tert-butyl ether) by EPA Method 8260B

Oxygenate: TBA (Tert-butyl alcohol)

EDB & 1,2-DCA = Lead scavengers: ethylene dibromide & 1,2-dichloroethane

< 0.05 = Analyte concentration below the indicated laboratory reporting level

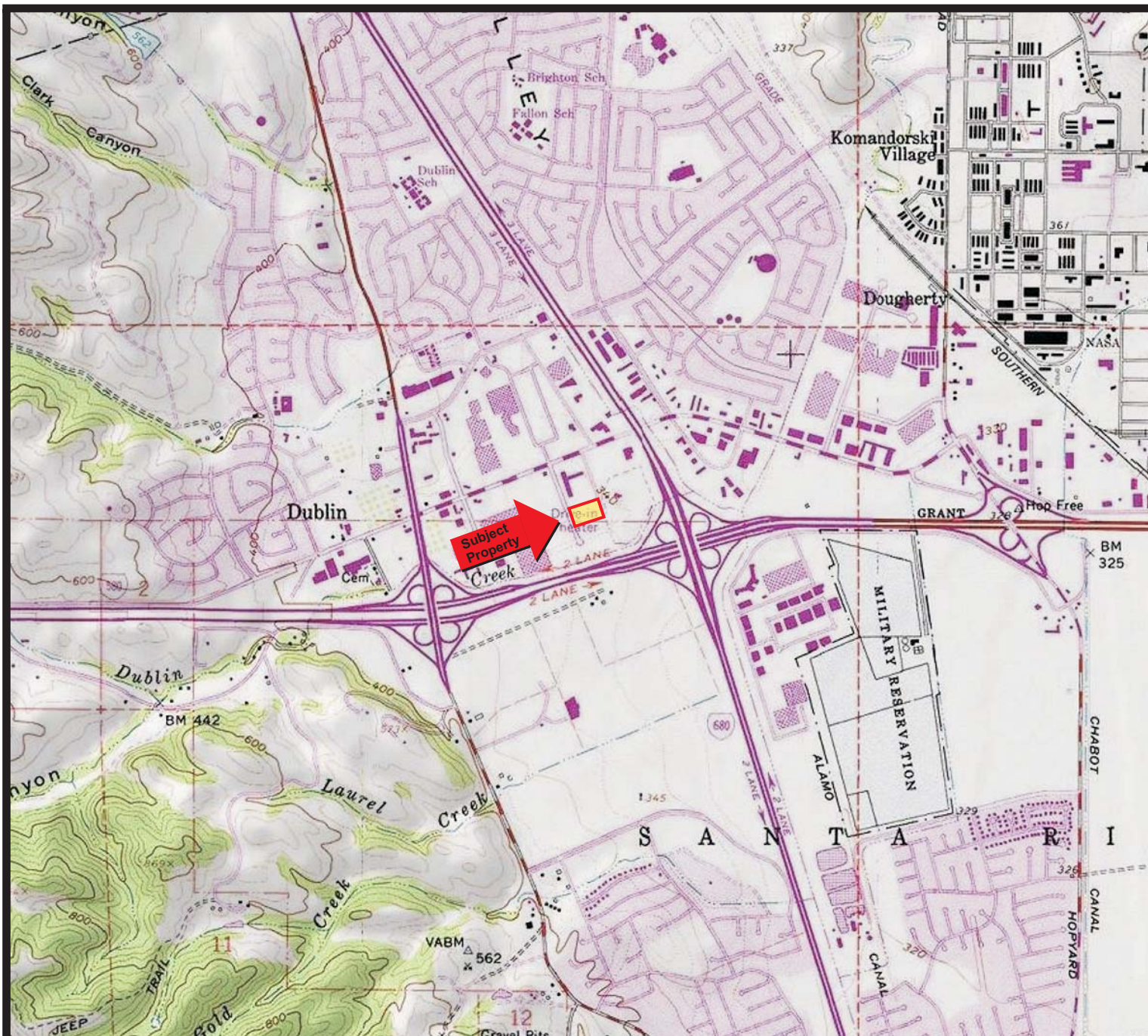
-- = Not Analyzed

NE = Not established

ESLs = Environmental Screening Level: Screening For Environmental Concerns At Sites with Contaminated Soil and Groundwater, RWQCB Interim Final - November 2007; Table A: Groundwater (<3 meter bgs) is a potential source of drinking water

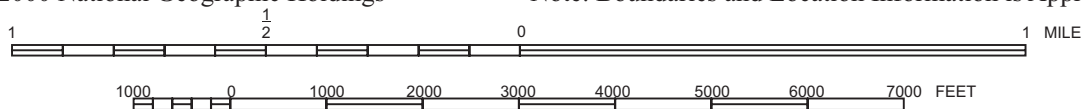


FIGURES

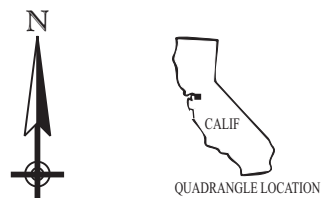


Map Source: TOPO! © 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate



Portion of the 7.5-Minute Series Dublin, California
 Quadrangle Topographic Map (Datum: NAD 83)
 United States Department of the Interior
 Geological Survey
 1980 Photorevised from 1979

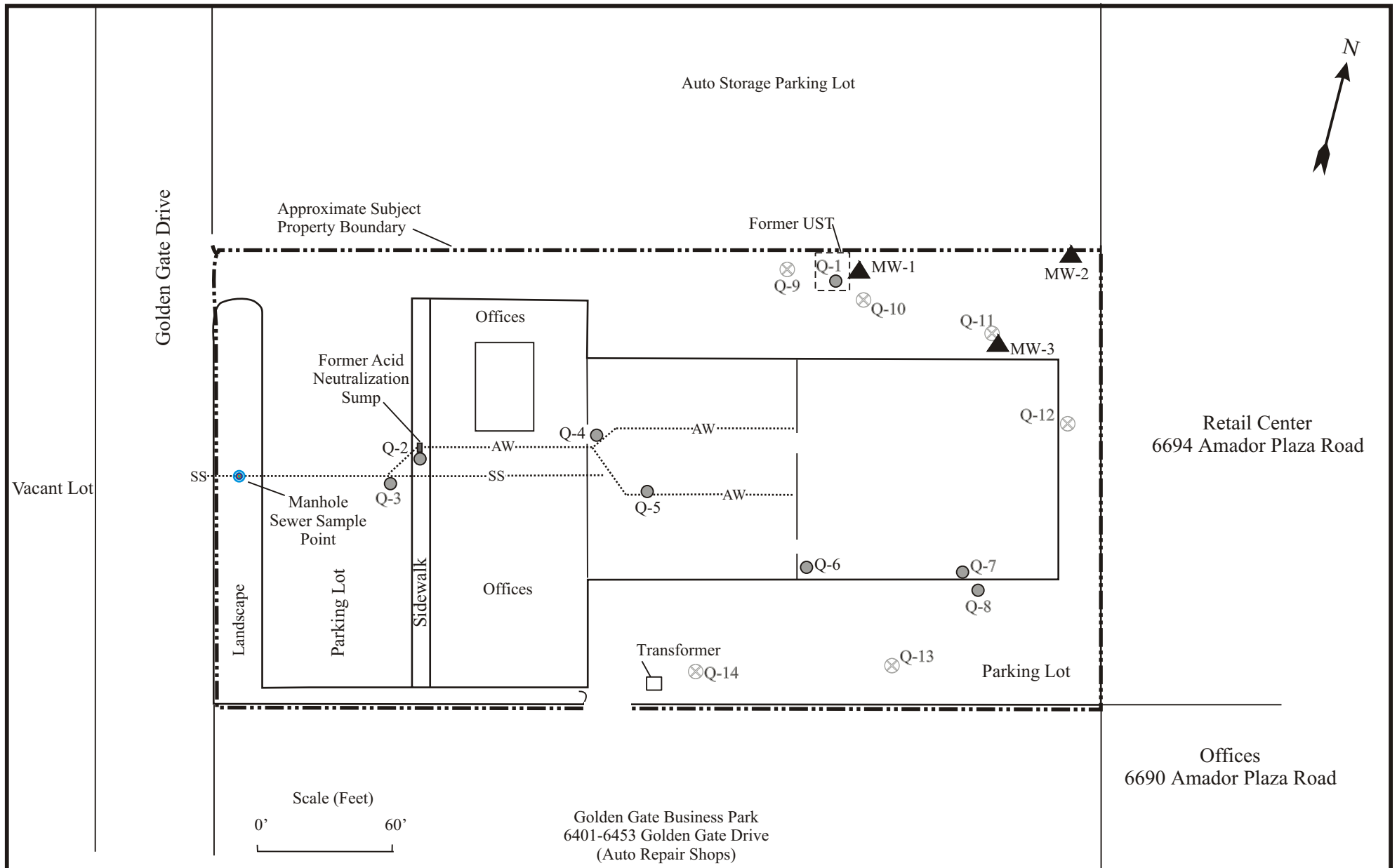


PROPERTY LOCATION MAP
 Former Quest Laboratory
 6511 Golden Gate Drive
 Dublin, California
 Project No. 33108-008647.00

Figure

1





LEGEND

- MW-1 Monitoring Well & ID, installed January 8, 2009
- Q-2 Borehole/Sample Location 12-19-03
- Q-9 Borehole/Sample Location 1-22-04
- SS Sanitary Sewer Line
- AW Acid Waste Sewer Line

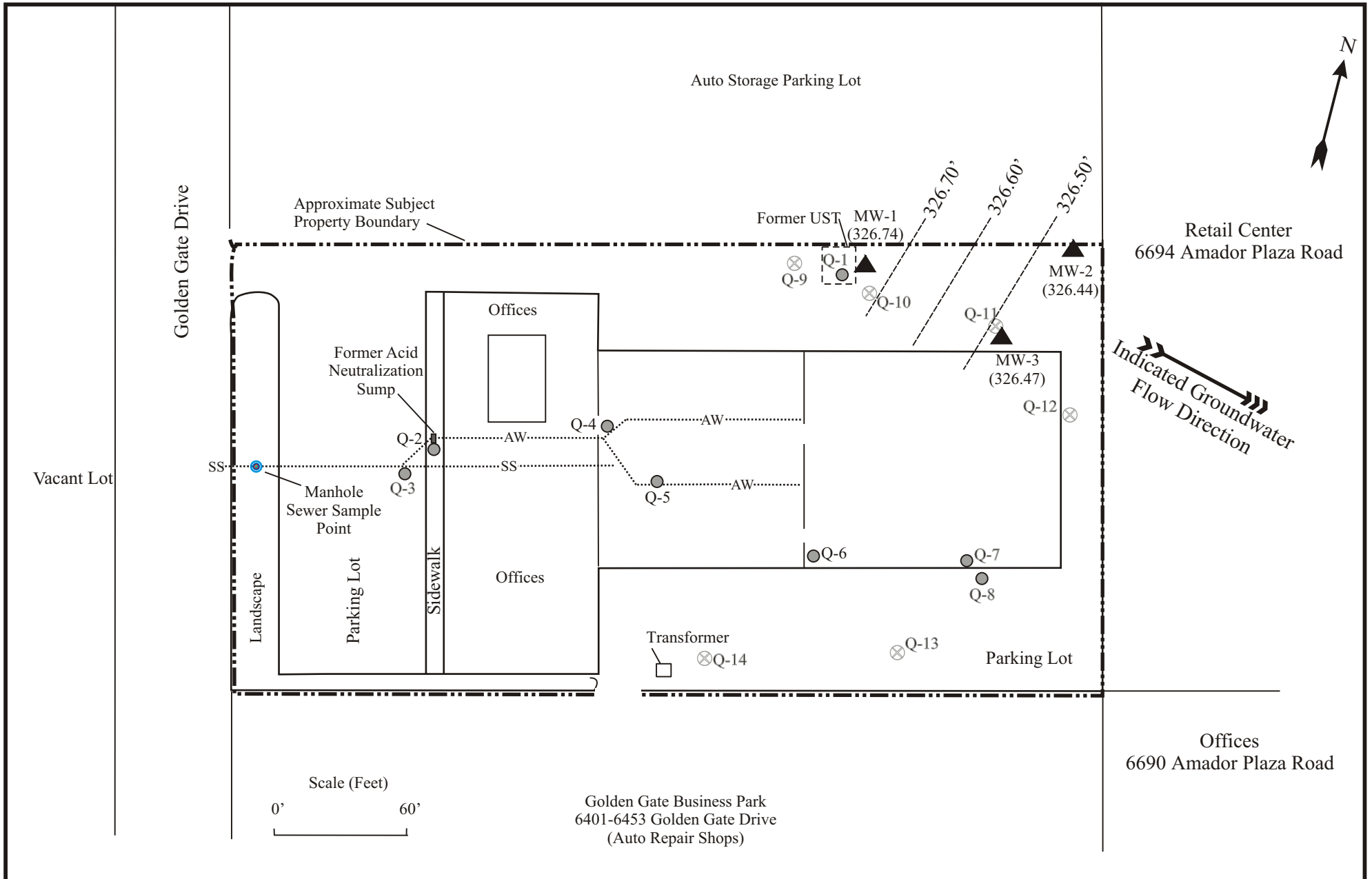
SITE PLAN WITH SAMPLE LOCATIONS

Former Quest Laboratory
 Randall Foods
 6511 Golden Gate Drive
 Dublin, California
 Project No. 33108-008647.00

FIGURE

2





LEGEND	
▲	Monitoring Well & ID with Groundwater Elevation in Feet (NGVD 29)
327.90'-----	Groundwater Elevation Contour for July 31, 2009
Q-2●	Borehole/Sample Location 12-19-03
Q-9⊗	Borehole/Sample Location 1-22-04
SS	Sanitary Sewer Line
AW	Acid Waste Sewer Line

GROUNDWATER ELEVATION MAP 7-31-09

Former Quest Laboratory
 Randall Foods
 6511 Golden Gate Drive
 Dublin, California
 Project No. 33108-008647.00

FIGURE

3





APPENDIX A
SAMPLING DATA SHEETS



GROUNDWATER SAMPLING DATA SHEET

Project Name:	Safeway	Well ID Number:	MW-1
Project No.:	33108-008647.00	Sample ID Number:	MW-1
Project Location:	Dublin, CA	Date Gauged:	7/30/2009
Field Technician:	J. Wilson	Date Purged:	7/30/2009
Weather Conditions:	partly RAIN, sunny, warm mostly	Date Sampled:	7/30/2009

Top of Casing Elevation (ft. msl):	342.68	Casing Diameter (inches):	1.0
Depth to Water (ft. btoc):	15.94	Wellhead Condition:	OK
Groundwater Elevation (ft. msl):	326.74	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft. btoc):	25.13	Vapor Reading (ppm):	—
Water Column Height (ft):	9.19	Presence of SPH:	No
Calculated Purge Volume (gal):	0.37	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	2520 mL (~0.7 gal)	Comments:	OK

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed ML (gal)	Specific Conductivity (Range: mS/cm uS/cm)	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (STD units)	Turbidity (NTUs) or TDS g/L	ORP (mV)	Odor/Comments
1035	180	1.1	20.2	5.7	6.84	120	181	clear no odor
1037	360	1.1	20.0	1.5	6.68	130	180	clear no odor
1039	720	1.1	20.1	0.9	6.58	160	177	clear no odor
1041	1080	1.1	20.2	0.9	6.49	80	172	clear no odor
1043	1440	1.1	20.1	1.3	6.42	40	167	clear no odor
1045	1800	1.1	20.1	1.4	6.41	27	159	clear no odor
1047	2160	1.1	20.0	1.3	6.41	32	149	clear no odor
1049	2520	1.1	20.0	1.3	6.41	31	136	clear no odor

Water Level Indicator Model & No.:	W.L.I. - Enviro supply	Purge Method:	Peristaltic Pump
pH/Cond/Temp Meter Model:	HOR709 - u-22	Purge Equipment Used:	Geo 2 peri pump.
Turbidity Meter Model:	1	Purge Rate (gpm):	~180 mL/min
Acceptable GW recovery = 0.80 x water column height:		DTW at sampling: 16.25	
Sample Collection Time:	1055	Chemical Laboratory:	C+T McCampbell Analytical 925-252-9262
Sample Collection Method:	peristaltic pump	Chemical Analysis:	TPH-d, g, mo, NO3
Sample Containers Used:	1L hcl amber, 3 VOAs hcl		8015 WISGCM

Other Field Observations:



GROUNDWATER SAMPLING DATA SHEET

Project Name:	Safeway	Well ID Number:	MW-2
Project No.:	33108-008647.00	Sample ID Number:	MW-2
Project Location:	Dublin, CA	Date Gauged:	7/30/2009
Field Technician:	J. Wilson	Date Purged:	7/30/2009
Weather Conditions:	<i>mild - partly sunny</i>	Date Sampled:	7/30/2009

Top of Casing Elevation (ft, msl):	342.53	Casing Diameter (inches):	1.0
Depth to Water (ft, btoc):	<i>16.09</i>	Wellhead Condition:	<i>OK</i>
Groundwater Elevation (ft, msl):	<i>326.44</i>	Presence of Wellhead Gases:	<i>NO</i>
Depth to Well Bottom (ft, btoc):	19.06	Vapor Reading (ppm):	<i>-</i>
Water Column Height (ft):	<i>2.97</i>	Presence of SPH:	<i>NO</i>
Calculated Purge Volume (gal):	<i>0.12</i>	Thickness of SPH (ft):	<i>-</i>
Actual Purge Volume (gal):	<i>2520 mL (~0.7 gal)</i>	Comments:	<i>OK</i>

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed <small>mL (gal)</small>	Specific Conductivity <small>(Range: mS/cm - uS/cm)</small>	Temp <small>(°C)</small>	Dissolved Oxygen <small>(mg/L) %</small>	pH <small>(STD units)</small>	Turbidity <small>(NTUs) or TDS g/L</small>	ORP <small>(mV)</small>	Odor/Comments
948	180	1.2	20.9	<i>7.2</i>	6.19	-5	168	<i>Silt from bottom No odor</i>
950	360	1.1	20.9	7.6	6.24	250	171	<i>Clear No odor</i>
952	720	1.1	20.9	9.1	6.40	230	170	<i>Clear No odor</i>
954	1080	1.1	21.0	1.6	6.31	190 170	168	<i>Clear No odor</i>
956	1440	1.1	21.0	1.2	6.32	120	162 162	<i>Clear No odor</i>
958	1800	1.1	20.7	1.6	6.33	130	162	<i>Clear no odor</i>
1000	2160	1.1	20.8	2.0	6.34	110	157	<i>Clear no odor</i>
1002	2520	1.1	20.8	2.0	6.34	88	161	<i>Clear no odor</i>

Water Level Indicator Model & No.:	<i>WLI - Enviro supply</i>	Purge Method:	<i>Peristaltic Pump</i>
pH/Cond/Temp Meter Model:	<i>Hanna - U-22</i>	Purge Equipment Used:	<i>Geo 2 Peripump</i>
Turbidity Meter Model:	<i>L</i>	Purge Rate (gpm):	<i>~180 mL/min</i>
Acceptable GW recovery = 0.80 x water column height:		DTW at sampling: <i>16.47</i>	
Sample Collection Time:	<i>1005</i>	Chemical Laboratory:	<i>CAT McCampbell Analytical 925-252-9262</i>
Sample Collection Method:	<i>Peristaltic Pump</i>	Chemical Analysis:	<i>TPH-d, g, mo, NO3-N</i>
Sample Containers Used:	<i>1L hcl amber, 3 VOAs hcl</i>		<i>WIS604 (8015)</i>

Other Field Observations:

Handwritten initials/signature



GROUNDWATER SAMPLING DATA SHEET

Project Name:	Safeway	Well ID Number:	MW-3
Project No.:	33108-008647.00	Sample ID Number:	MW-3
Project Location:	Dublin, CA	Date Gauged:	7/30/2009
Field Technician:	J. Wilson	Date Purged:	7/30/2009
Weather Conditions:	mild, partly sunny	Date Sampled:	7/30/2009

Top of Casing Elevation (ft. msl):	342.99	Casing Diameter (inches):	1.0
Depth to Water (ft. btoc):	16.52	Wellhead Condition:	OK
Groundwater Elevation (ft. msl):	326.47	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft. btoc):	19.29	Vapor Reading (ppm):	-
Water Column Height (ft):	2.77	Presence of SPH:	No
Calculated Purge Volume (gal):	0.11	Thickness of SPH (ft):	-
Actual Purge Volume (gal):	360 mL (~0.1 gal)	Comments:	OK

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed ML (gal)	Specific Conductivity (Range: mS/cm - uS/cm)	Temp (°C)	Dissolved Oxygen (mg/L) (%)	pH (STD units)	Turbidity (NTUs) or TDS g/L	ORP (mV)	Odor/Comments
10:17	180	1.1	19.9	10.3	6.90	140	199	Clear no odor
10:19	360	1.2	20.0	8.9	6.16	124	210	Clear no odor
10:21	520							
10:23	1080							
10:25	1440							
10:27	1800							
10:29	2100							
	2520							

Water Level Indicator Model & No.:	WLI - Enviro supply	Purge Method:	Peristaltic pump
pH/Cond/Temp Meter Model:	Horba-U-22	Purge Equipment Used:	Geo 2 per pump
Turbidity Meter Model:	↓	Purge Rate (gpm):	~180 mL/min

Acceptable GW recovery = 0.80 x water column height: DTW at sampling:

Sample Collection Time:	12:25	Chemical Laboratory:	CAT McCampbell Analytical 825-262-9202
Sample Collection Method:	Peristaltic pump	Chemical Analysis:	TPH-d, g, mo, VOCs
Sample Containers Used:	1L hcl amber, 3 VOAs hcl,		8015 w/SGCU

Other Field Observations:

Purged dry during 2nd purge (10:19)
 11:43: DTW - 17.31' bgs → Filled vials + Partial Amber (well dry)
 12:00: DTW - 18.05' bgs - Filled Amber (portion) (well dry)
 12:10: DTW - 18.14' bgs - partially filled amber
 12:25: DTW - 18.08' bgs - Filled Amber



APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY RECORD



Curtis & Tompkins, Ltd.

Analytical Laboratories, Since 1878



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 213905
ANALYTICAL REPORT**

Bureau Veritas North America
2430 Camino Ramon
San Ramon, Ca 94583

Project : 33108-008647.
Location : Dublin- Safeway
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
MW-1	213905-001
MW-2	213905-002
MW-3	213905-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 08/07/2009

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 213905
Client: Bureau Veritas North America
Project: 33108-008647.
Location: Dublin- Safeway
Request Date: 07/31/09
Samples Received: 07/31/09

This data package contains sample and QC results for three water samples, requested for the above referenced project on 07/31/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 213905 Date Received 7-31-09 Number of coolers 1
 Client Bureau Veritas Project Dublin-Safeway

Date Opened 7-31-09 By (print) Troy Windsor (sign) [Signature]
 Date Logged in 7-31-09 By (print) Troy Windsor (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
 Shipping info _____

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____

- Bubble Wrap Foam blocks Bags None
- Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation:
 Type of ice used: Wet Blue/Gel None Temp(°C) _____
 Samples Received on ice & cold without a temperature blank
 Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO
 If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	213905	Location:	Dublin- Safeway
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33108-008647.	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC506008	Batch#:	153491
Matrix:	Water	Analyzed:	08/03/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,635	82	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	63-146
Bromofluorobenzene (FID)	131	70-140

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	213905	Location:	Dublin- Safeway
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33108-008647.	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	153491
MSS Lab ID:	213886-001	Sampled:	07/29/09
Matrix:	Water	Received:	07/31/09
Units:	ug/L	Analyzed:	08/03/09
Diln Fac:	1.000		

Type: MS Lab ID: QC506009

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	29.91	2,000	1,971	97	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	63-146
Bromofluorobenzene (FID)	129	70-140

Type: MSD Lab ID: QC506010

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,898	93	66-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	63-146
Bromofluorobenzene (FID)	136	70-140

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	213905	Location:	Dublin- Safeway
Client:	Bureau Veritas North America	Prep:	EPA 3520C
Project#:	33108-008647.	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/31/09
Units:	ug/L	Received:	07/31/09
Diln Fac:	1.000	Prepared:	08/03/09
Batch#:	153484		

Field ID: MW-1
 Type: SAMPLE
 Lab ID: 213905-001

Analyzed: 08/05/09
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	114	61-127

Field ID: MW-2
 Type: SAMPLE
 Lab ID: 213905-002

Analyzed: 08/05/09
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	112	61-127

Field ID: MW-3
 Type: SAMPLE
 Lab ID: 213905-003

Analyzed: 08/05/09
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	94	61-127

Type: BLANK
 Lab ID: QC505977

Analyzed: 08/04/09
 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	106	61-127

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	213905	Location:	Dublin- Safeway
Client:	Bureau Veritas North America	Prep:	EPA 3520C
Project#:	33108-008647.	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	153484
Units:	ug/L	Prepared:	08/03/09
Diln Fac:	1.000	Analyzed:	08/04/09

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC505978

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,726	109	50-120

Surrogate	%REC	Limits
o-Terphenyl	102	61-127

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC505979

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,576	103	50-120	6	37

Surrogate	%REC	Limits
o-Terphenyl	96	61-127

RPD= Relative Percent Difference