TRANS TECH CONSULTANTS
Environmental Compliance Services
Engineers • Geologists • Planners
License # 697833 (A-Haz)
Since 1987

June 21, 2005
Job No. 1222.01

Edward and Margaret Gilmore
27 Rancheria Road
Kentfield, California 94904

Subject: **2nd Quarter 2005 Monitoring Report**
Royal Coach Car Wash, 7360 Commerce Boulevard, Cotati, California
SCDHS-EHD Site #00001357; NCRWQCB Site #1TSO509

Dear Mr. and Mrs. Gilmore:

This report presents the results of the 2nd Quarter 2005 groundwater monitoring event performed at the subject site. The site is approximately located as shown on the attached Site Location Map, Plate 1. The work was performed in general accordance with recommendations made in our January 10, 2005 *Report of Investigation / Additional Monitoring Wells* report and with directives from Mr. Dale Radford of the Sonoma County Department of Health Services - Environmental Health Division (SCDHS-EHD).

Monitoring Well Sampling

On May 25, 2005, groundwater samples were collected from the shallow monitoring wells (wells) MW-1 through MW-9, and the deep wells MW-1D, MW-2D, and MW-3D. The approximate location of the wells and general site features are shown on the attached Site Plan/Groundwater Elevation Contour Map, Plate 2. Prior to sampling, static water levels were measured in all wells and each well was checked for the presence of free product using an oil/water interface probe. No free product was reported during this monitoring event. To produce representative groundwater samples prior to sampling, the wells were purged of approximately three well casing volumes using a submersible pump. In addition, indicator parameters such as the temperature, pH, and conductivity were measured and allowed to stabilize during purging. The water level in each well was also allowed to recover to near static levels prior to sampling. Groundwater samples were collected using a separate disposable bailer for each well and transferred into the appropriate containers supplied by the laboratory. The groundwater samples were labeled, stored on ice and transported under Chain-of-Custody documentation to Alpha Analytical Laboratories (Alpha) of Ukiah, California. Alpha is a State-certified laboratory for the analyses requested. Purge water generated during the sampling of the wells was stored onsite in 55-gallon Department of Transportation (DOT)- approved drums, pending disposal. The Groundwater Field Sampling Forms are attached in Appendix A.

Water Level Measurements

The monitoring well top-of-casing (TOC) elevations, depths to groundwater, the groundwater elevations, and the calculated groundwater flow direction and gradient for the May 25, 2005 sampling event are tabulated in Table 1a and 1b. Elevations are expressed in feet relative to mean sea level (msl), depths are expressed in feet and gradients are expressed in feet per foot. Historical groundwater flow direction and gradient data for the shallow wells is presented in Appendix B. Historical groundwater flow direction and gradient data for the deep wells is presented in Appendix C.

Table 1a: Groundwater Flow Direction and Gradient Data - Shallow Wells

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient (i)
05/25/05	MW-1	99.52	6.48	93.04	Northeasterly i = 0.02
	MW-2	99.39	5.90	93.49	
	MW-3	99.18	6.29	92.89	
	MW-4	98.79	5.31	93.48	
	MW-5	99.16	8.60	90.56	
	MW-6	99.42	5.44	93.98	
	MW-7	98.86	5.12	93.74	
	MW-8	99.09	7.98	91.11	
	MW-9	99.42	5.45	93.97	

Table 1b: Groundwater Flow Direction and Gradient Data - Deep Wells

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient (i)
05/25/05	MW-1D	99.11	9.14	89.97	N 80° W i = 0.02
	MW-2D	98.45	8.92	89.53	
	MW-3D	98.89	10.45	88.44	

Groundwater elevation contours based on MW-1 through MW-9 for the May 25, 2005 monitoring event are attached on Plate 2. Groundwater elevation contours based on MW-1D through MW-3D for the May 25, 2005 monitoring event are shown on the attached Site Plan/Groundwater Elevation Contour Map - Deep Wells, Plate 3.

Laboratory Analysis

Groundwater samples collected from the monitoring wells were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA Test Method 8260. The volatile organic compounds: benzene, toluene, ethylbenzene, and total xylenes (BTEX), the additional oxygenated gasoline additives; methyl tert-butyl ether (MtBE), tert-butyl alcohol (TBA), tert-amyl methyl ether (TAME), di-isopropyl ether (DIPE), and ethyl tert-butyl ether (ETBE), and lead scavengers were analyzed using EPA Test Method 8260B. The laboratory analytical results for the May 25, 2005 sampling event are tabulated on Table 2. The Alpha laboratory report including the chain-of-custody documentation is attached in Appendix D. Historical groundwater analytical data for the shallow wells is presented in Appendix E. Historical groundwater analytical data for the deep wells is presented in Appendix F. Time vs. Concentration Graphs that plot TPH as gasoline, benzene and MtBE concentrations over time for the shallow wells MW-1, MW-4 and MW-7 are enclosed in Appendix G.

Table 2a: Groundwater Analytical Results - Shallow Wells

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
05/25/05	MW-1	**15,000**	**2,600**	<15*	**1000**	<25*	**630****
	MW-2	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-3	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-4	**780**	**42**	<3.0*	<5.0*	<5.0*	**120****
	MW-5	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-6	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-7	**95,000**	**10,000**	**13,000**	**5,200**	**14,000**	**110**
	MW-8	<50	<0.30	<0.30	<0.50	<0.50	**6.5**
	MW-9	<50	<0.30	<0.30	<0.50	<0.50	<0.50

< = Indicates the laboratory test method detection limit.
NS = Not sampled.
* = The Reporting Limits for this analysis have been raised to account for matrix interference.
** = Additional oxygenated fuel additives detected (see laboratory report).

Table 2b: Groundwater Analytical Results - Deep Wells

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
05/25/05	MW-1D	<50	**0.56**	<0.30	<0.50	<0.50	**41***
	MW-2D	<50	**0.60**	<0.30	<0.50	<0.50	**2.1**
	MW-3D	<50	**0.64**	<0.30	**0.62**	<0.50	**12***

< = Indicates the laboratory test method detection limit.
* = Additional oxygenated fuel additives have been detected (see laboratory reports).

Discussion

TPH as gasoline was detected in groundwater samples collected from MW-1, MW-4, MW-7 at concentrations of 15,000 µg/L, 780 µg/L, and 95,000 µg/L, respectively. BTEX constituents were detected in samples collected from MW-1, MW-4, MW-7, MW-1D, MW-2D and MW-3D with benzene occurring at a maximum concentration of 10,000 µg/L in MW-7. In addition, MtBE was detected in samples collected from MW-1, MW-4, MW-7, MW-8, MW-1D, MW-2D, and MW-3D at concentrations of 630µg/L, 120 µg/L, 110 µg/L, 6.5 µg/L, 41µg/L, 2.1µg/L, and 12µg/L respectively. The oxygenated gasoline additive TAME was detected in the samples collected from wells MW-1, MW-4, MW-1D, and MW-3D at concentrations of 88 µg/L, 9.9 µg/L, 0.96 µg/L, and 0.71µg/L, respectively. The oxygenated gasoline additive DIPE was detected in the samples collected from MW-3D at a concentration of 1.3µg/L. The oxygenated gasoline additive TBA was detected in the samples collected from well MW-4 at a concentration of 960µg/L.

Additionally, the most recent analytical results reported are relatively consistent with historical analytical results. An examination of the Time versus Concentration Graphs depict an apparent gradual increase in TPH as gasoline concentrations in wells MW-1 and MW-7. Benzene concentrations also appear to be gradually increasing in wells MW-1, MW-4, and MW-7. MtBE concentrations appear to be increasing in well MW-1 but decreasing in wells MW-4 and MW-7.

The next sampling event is scheduled for August 2005 and will only include the sampling of wells MW-1, MW-4, MW-7, MW-8, MW-1D, MW-2D, and MW-3D.

We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at (707) 575-8622 or www.transtechconsultants.com.

Sincerely,
TRANS TECH CONSULTANTS

Brian R. Hasik
Staff Geologist

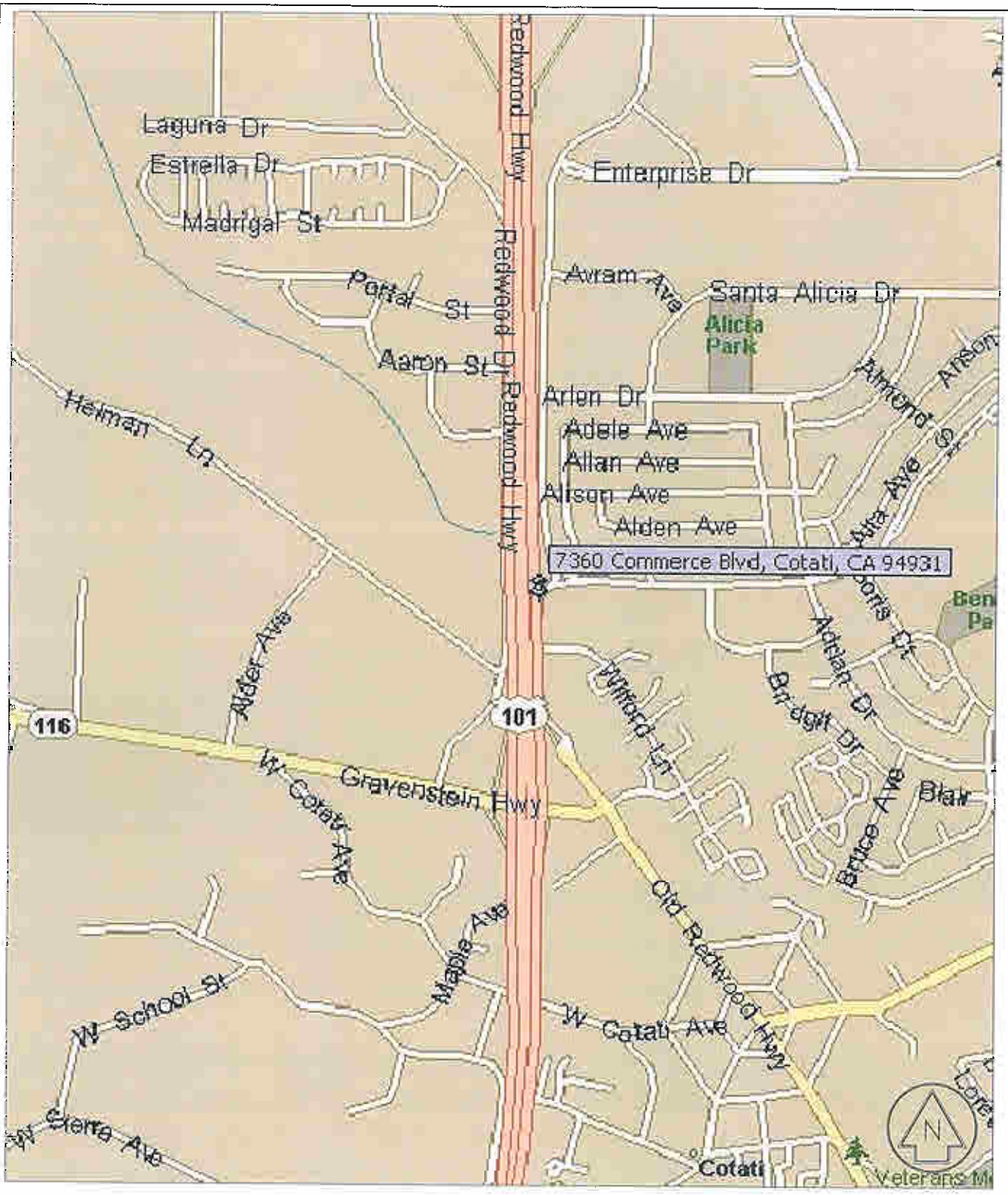
Lee S. Hurvitz, PG 7573
Senior Geologist

PROFESSIONAL GEOLOGIST
LEE S. HURVITZ
No. 7573
Exp. 05/31/07
GEOLOGIST
STATE OF CALIFORNIA

QMR_1222_01_062105

Attachments:

Plate 1, Site Location Map, Plate 1
Plate 2, Site Plan / Groundwater Elevation Contour Map - Shallow Wells
Plate 3, Site Plan / Groundwater Elevation Contour Map - Deep Wells
Appendix A, Groundwater Field Sampling Forms
Appendix B, Historical Groundwater Flow Direction and Gradient Data - Shallow Wells
Appendix C, Historical Groundwater Flow Direction and Gradient Data - Deep Wells
Appendix D, Alpha Analytical Laboratories Report dated June 8, 2005
Appendix E, Historical Groundwater Analytical Data - Shallow Wells
Appendix F, Historical Groundwater Analytical Data - Deep Wells
Appendix G, Time Vs. Concentration Graphs MW-1, MW-4, MW-7
Distribution List



TRANS TECH CONSULTANTS

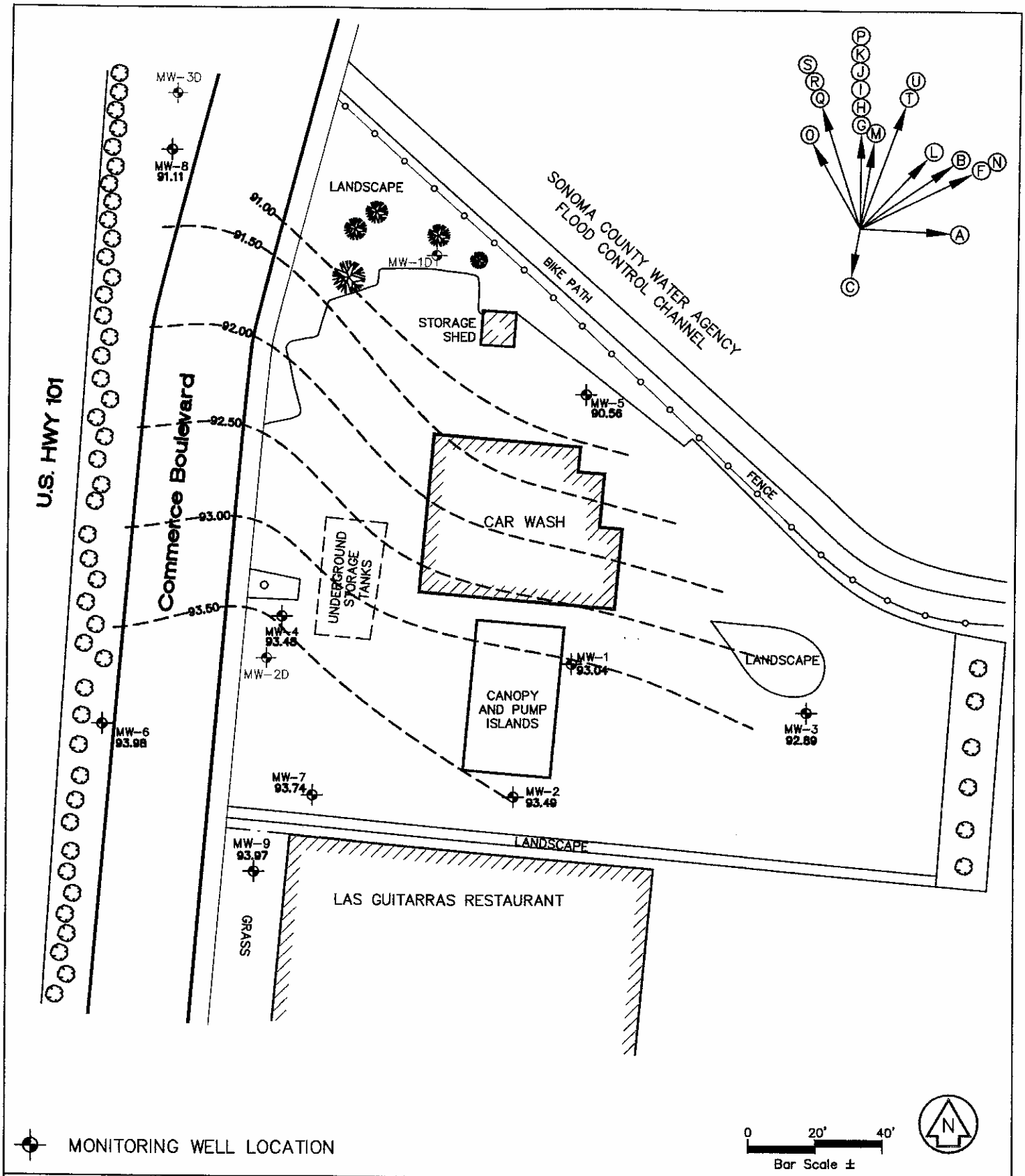
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE LOCATION MAP

ROYAL COACH CARWASH
7360 COMMERCE BLVD.
COTATI, CALIFORNIA

PLATE: 1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1222.01 SLM	BCW	1222.01	A-340		12/15/03



MONITORING WELL LOCATION

TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN / GROUNDWATER ELEVATION CONTOUR MAP FOR 5/25/05 SHALLOW WELLS

ROYAL COACH CAR WASH
7360 COMMERCE BLVD.
COTATI, CALIFORNIA

PLATE: 2

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1222.01 GWFP	BRH	1222.01	A-773		5/26/05

SHEET: 1 OF 2

GROUNDWATER FLOW LEGEND

Estimated Groundwater Flow Direction → (A)

Gradient Contour (Interval = 0.50 ft)

Identifier Tag	Date	Est. Flow Direction	Gradient Slope
(A)	6/26/01	S85°E	i=0.01
(B)	7/31/01	N60°E	i=0.01
(C)	8/23/01	S10°W	i=0.02
(D)	9/24/01	VARIES	
(E)	10/24/01	VARIES	
(F)	11/19/01	N65°E	i=0.03
(G)	12/21/01	NORTH	i=0.03
(H)	1/23/02	NORTH	i=0.02
(I)	3/27/02	NORTHERLY	i=0.02
(J)	6/28/02	NORTHERLY	i=0.02
(K)	10/3/02	NORTHERLY	i=0.01
(L)	2/7/03	N45°E	i=0.01
(M)	5/7/03	NORTHERLY	i=0.02
(N)	8/14/03	NORTH EASTERLY	i=0.03
(O)	11/18/03	NORTH WESTERLY	i=VARIES
(P)	2/24/04	NORTHERLY	i=0.02
(Q)	5/26/04	NORTH WESTERLY	i=0.01
(R)	8/11/04	NORTH WESTERLY	i=0.01
(S)	11/17/04	NORTH WESTERLY	i=0.01
(T)	2/17/05	NORTH EASTERLY	i=0.02
(U)	5/25/05	NORTH EASTERLY	i=0.02

MW-1 Monitoring Well Location
[XX.XX] Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).

TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

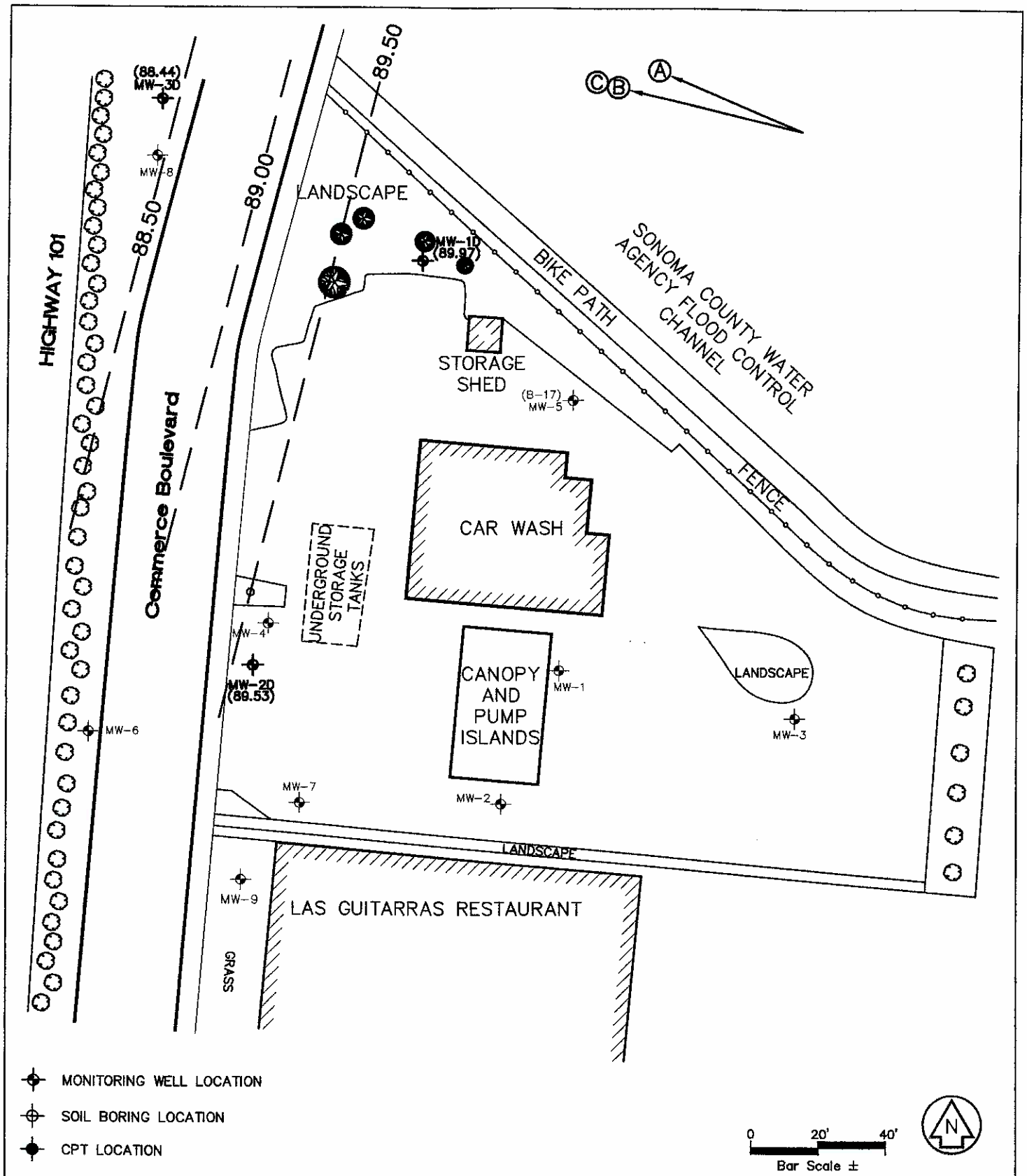
SITE PLAN / GROUNDWATER ELEVATION CONTOUR MAP FOR 5/25/05 SHALLOW WELLS

ROYAL COACH CAR WASH
7360 COMMERCE BLVD.
COTATI, CALIFORNIA

PLATE: 2

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1222.01 GWFP	BRH	1222.01	A-773		5/26/05

SHEET: 2 OF 2



TRANS TECH CONSULTANTS

930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN / GROUNDWATER ELEVATION CONTOUR MAP FOR 5/25/05 DEEP WELLS

ROYAL COACH CAR WASH
7360 COMMERCE BLVD.
COTATI, CALIFORNIA

PLATE: 3

SHEET 1 OF 2

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	1222.01 GWFP	LSH	1222.01	A-690		5/26/05

GROUNDWATER FLOW LEGEND

Estimated Groundwater Flow Direction → (A)

Gradient Contour (Interval = 0.50 ft)

Identifier Tag	Date	Est. Flow Direction	Gradient Slope
(A)	11/19/04	N75°W	i=0.03
(B)	2/17/05	N80°W	i=0.02
(C)	5/25/05	N80°W	i=0.02

Identifier Tag	Date	Est. Flow Direction	Gradient Slope

MW-1 Monitoring Well Location
[XX.XX] Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).

TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN / GROUNDWATER ELEVATION CONTOUR MAP FOR 5/25/05 DEEP WELLS

ROYAL COACH CAR WASH
7360 COMMERCE BLVD.
COTATI, CALIFORNIA

PLATE: 3

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	1222.01 GWFP	BRH	1222.01	A-690		5/26/05

SHEET 2 OF 2

APPENDIX A

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-1
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** 22.00 **Well Depth from TOC (AP):**
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BHA	**Product Thickness in inches:** 0	
	Water Level from TOC: 6.49	**Time:** 9:14
Notes: strong HC odor	**Water Level pre-purge:** 6.48	**Time:** 10:50
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.48 gallons in one well volume
TD WL Dia. Inches

7.44 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
10:52	4	6.76	19.3	-53		1220	L
10:53	2	6.68	19.0	-48		1167	L
10:55	4	6.71	19.0	-49		1184	L
10:57	6	6.75	19.2	-49		1285	L
10:59	8	6.71	18.8	-47		1227	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 6.54 **Time:** 2:10

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-2
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 22.00
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BGH	**Product Thickness in inches:** 0	
	Water Level from TOC: 5.92	**Time:** 9:02
Notes:	**Water Level pre-purge:** 5.90	**Time:** 9:19
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.58 gallons in one well volume
TD WL Dia. Inches

7.73 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
9:24	1	6.83	17.7	151		691.2	L
9:24	2	6.82	17.6	122		687.1	L
9:26	4	6.96	17.5	90		693.1	L
9:27	6	6.97	17.6	65		718.2	L
9:29	8	6.99	17.7	37		739.1	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.93 **Time:** 10:00

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-3
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 21.80
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BHA	**Product Thickness in inches:** 0	
	Water Level from TOC: 6.30	**Time:** 9:03
Notes:	**Water Level pre-purge:** 6.29	**Time:** 9:34
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.48 gallons in one well volume
TD WL Dia. Inches

7.44 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
9:37	1	6.49	15.2	85		1047	L
9:37	2	6.73	19.7	103		1026	L
9:39	4	6.79	19.5	138		1059	L
9:41	6	6.76	19.3	144		1069	L
9:43	8	6.78	19.3	137		1058	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 6.30 **Time:** 10:10

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 2 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-4
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 19.90
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik (BH)	**Product Thickness in inches:** 0	
	Water Level from TOC: 5.33	**Time:** 9:13
Notes: strong HC odor	**Water Level pre-purge:** 5.31	**Time:** 10:37
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.33 gallons in one well volume
TD WL Dia. Inches

6.98 gallons in 3 well volumes (Approx. 0.6 gal/ft) 7 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
10:41	1	6.88	19.5	-117		934.2	L
10:42	2	6.89	19.4	-122		842.4	L
10:43	3	6.88	19.3	-124		850.7	L
10:45	5	6.93	19.1	-125		870.3	L
10:46	7	6.93	19.1	-126		890.0	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.36 **Time:** 2:00

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: **Water:** 7 **Soil:** 0 **Other:** 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-5
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 21.00
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik (BCH)	**Product Thickness in inches:** 0	
	Water Level from TOC: 8.60	**Time:** 9:06
Notes: "organic septic odor" ???	**Water Level pre-purge:** 8.60	**Time:** 9:46
	Well Type: ☒ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.11 gallons in one well volume
TD WL Dia. Inches

6.34 gallons in 3 well volumes (Approx. 0.6 gal/ft) 7 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
9:49	1	6.96	18.1	16		1569	L
9:50	2	6.95	17.9	-58		1571	L
9:51	4	6.88	17.9	-83		1580	L
9:53	6	6.88	17.9	-89		1586	L
9:54	7	6.89	18.1	-69		1579	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 8.64 **Time:** 1:20

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-6
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 20.50
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik (BCH)	**Product Thickness in inches:** 0	
	Water Level from TOC: 5.44	**Time:** 9:08
Notes:	**Water Level pre-purge:** 5.44	**Time:** 9:56
	Well Type: ☒ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.41 gallons in one well volume
TD WL Dia. Inches

7.23 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
10:00	1	7.08	18.8	-9		909.1	L
10:01	2	7.06	18.8	10		917.2	L
10:03	4	7.08	18.9	27		933.3	L
10:05	6	7.08	18.9	39		938.0	L
10:07	8	7.08	18.9	45		927.8	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.48 **Time:** 12:30

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 2 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-7
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 20.00
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BH	**Product Thickness in inches:** 0	
	Water Level from TOC: 5.16	**Time:** 9:16
Notes: Very strong HC odor	**Water Level pre-purge:** 5.12	**Time:** 11:04
	Well Type: ☒ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.38 gallons in one well volume
TD WL Dia. Inches

7.14 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
11:07	1	6.85	18.1	-71		1069	L
11:08	2	6.82	17.9	-72		1062	L
11:10	4	6.85	17.9	-68		1041	L
11:12	6	6.84	17.9	-72		1043	L
11:14	8	6.84	18.1	-76		1045	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.25 **Time:** 2:20

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 8 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-8
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** 30.25 **Well Depth from TOC (AP):**
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BH	**Product Thickness in inches:** Ø	
	Water Level from TOC: 7.98	**Time:** 9:11
Notes:	**Water Level pre-purge:** 7.98	**Time:** 10:23
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 3.57 gallons in one well volume
TD WL Dia. Inches

10.70 gallons in 3 well volumes (Approx. 0.6 gal/ft) 11 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
10:26	1	6.84	17.9	100		1192	L
10:27	2	6.82	17.7	102		1195	L
10:28	3	6.82	17.7	104		1195	L
10:29	5	6.82	17.7	105		1193	L
10:31	7	6.84	17.7	106		1188	L
10:33	9	6.82	17.6	108		1180	L
10:35	11	6.83	17.6	111		1173	

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 8.00 **Time:** 1:50

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 **Soil:** Ø **Other:** Ø

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-9
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** **Well Depth from TOC (AP):** 22.00
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik	**Product Thickness in inches:** 0	
	Water Level from TOC: 5.47	**Time:** 9:09
Notes:	**Water Level pre-purge:** 5.45	**Time:** 10:10
	Well Type: ☒ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 2.65 gallons in one well volume
TD WL Dia. Inches

7.94 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
10:13	1	6.93	17.8	76		506.5	M/L
10:13	2	6.92	17.6	64		524.1	L
10:15	4	6.88	17.7	54		581.4	L
10:17	6	6.88	17.7	34		625.5	L
10:19	8	6.87	17.7	28		627.3	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.49 **Time:** 1240

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-1D
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** 58.50 **Well Depth from TOC (AP):**
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik	**Product Thickness in inches:** Ø	
	Water Level from TOC: 9.14	**Time:** 11:54
Notes: ODOR ??	**Water Level pre-purge:** 9.14	**Time:** 11:58
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 7.90 gallons in one well volume
TD WL Dia. Inches

23.69 gallons in 3 well volumes (Approx. 0.6 gal/ft) 24 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:03	1	7.22	19.3	103		709.7	L
12:06	5	6.98	18.7	-35		775.9	L
12:09	10	6.97	18.5	-48		813.8	L
12:12	15	6.98	18.7	-38		822.8	L
12:15	20	6.98	18.6	-29		830.5	L
12:17	24	6.98	18.7	-25		831.8	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 9.42 **Time:** 2:40

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: Ø Other: Ø

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-2D
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** 26.50 **Well Depth from TOC (AP):**
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik BH	**Product Thickness in inches:** 0	
	Water Level from TOC: 8.92	**Time:** 12:19
Notes: ODOR ?	**Water Level pre-purge:** 8.92	**Time:** 12:22
	Well Type: ☒ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 7.61 gallons in one well volume
TD WL Dia. Inches

22.83 gallons in 3 well volumes (Approx. 0.6 gal/ft) 23 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:26	1	7.09	20.1	-8		844.7	L
12:30	5	7.05	19.7	-11		845.3	L
12:33	10	7.07	19.8	-7		844.0	L
12:36	15	7.05	19.7	-5		844.1	L
12:39	20	7.05	19.6	-1		842.1	L
12:41	23	7.04	19.6	-0		842.2	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 9.48 **Time:** 2:50

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 0 Other: 0

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 1222.01 Royal Coach Car Wash		**Well Number:** MW-3D
Project Location: 7360 Commerce Blvd, Cotati, California	**Casing Diameter:** 2"	**Well Depth from TOC (BP):** 56.00 **Well Depth from TOC (AP):**
Date: May 25, 2005	**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik	**Product Thickness in inches:** 0	
	Water Level from TOC: 10.45	**Time:** 11.25
Notes:	**Water Level pre-purge:** 10.45	**Time:** 11.29
	Well Type: ☑ Monitor ☐ Extraction ☐ Other:	
	Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / No **Rain:** Yes / No	**Clouds:** Yes / No **Fog:** Yes / No	**Sun:** Yes / No	**Precipitation in last 5 days:** Yes / No

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(_____ - _____) X (_____)2 X 0.0408 = 7.29 gallons in one well volume
TD WL Dia. Inches

21.86 gallons in 3 well volumes (Approx. 0.6 gal/ft) 22.0 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
11:37	1	7.32	19.3	15		714.5	L
11:40	5	7.05	19.9	31		740.2	L
11:43	10	6.99	18.7	42		748.1	L
11:47	15	6.98	19.2	48		753.2	L
11:50	20	6.97	18.7	63		750.3	L
11:51	22	6.95	18.8	62		750.6	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 11.06 **Time:** 2:30

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: **Water:** 7 **Soil:** 0 **Other:** 0

APPENDIX B

Appendix B: Historical Groundwater Flow Direction and Gradient Data - Shallow Wells

Date	Monitoring Well ID	TOC Elevation (feet > msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	Groundwater Flow Direction & Gradient
03/13/01	MW-1	97.31	10.44	86.87	Variable
	MW-2	97.19	9.55	87.64	
	MW-3	96.95	9.09	87.86	
	MW-4	96.59	9.00	87.59	
	MW-5	96.97	9.78	87.19	
	MW-6	97.17	8.45	88.72	
06/26/01	MW-1	97.31	16.90	80.41	Variable
	MW-2	97.19	16.40	80.79	
	MW-3	96.95	16.40	80.55	
	MW-4	96.59	15.86	80.73	
	MW-5	96.97	16.11	80.86	
	MW-6	97.17	15.11	82.06	
07/31/01	MW-1	97.31	19.72	77.59	Variable
	MW-2	97.19	18.99	78.20	
	MW-3	96.95	18.99	77.96	
	MW-4	96.59	17.40	79.19	
	MW-5	96.97	19.50	77.47	
	MW-6	97.17	17.70	79.47	
08/23/01	MW-1	97.31	20.88	76.43	S10°W i = 0.02
	MW-2	97.19	20.11	77.08	
	MW-3	96.95	18.51	78.44	
	MW-4	96.59	20.55	76.04	
	MW-5	96.97	17.32	79.65	
	MW-6	97.17	19.26	77.91	

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet > msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	Groundwater Flow Direction & Gradient
09/24/01	MW-1	97.31	21.80	75.51	Variable
	MW-2	97.19	21.03	76.16	
	MW-3	96.95	20.06	76.89	
	MW-4	96.59	17.57	79.02	
	MW-5	96.97	21.47	75.50	
	MW-6	97.17	20.16	77.01	
10/24/01	MW-1	97.31	NM	NM	Variable
	MW-2	97.19	21.46	75.73	
	MW-3	96.95	20.82	76.13	
	MW-4	96.59	18.16	78.43	
	MW-5	96.97	NM	NM	
	MW-6	97.17	20.85	76.32	
11/19/01	MW-1*	99.52	NM	<77.67	N65°E i = 0.03
	MW-2	99.39	18.51	80.88	
	MW-3	99.18	17.99	81.19	
	MW-4	98.79	17.28	81.51	
	MW-5	99.16	20.08	79.08	
	MW-6	99.42	18.96	80.46	

Note: Additional groundwater flow direction data is available prior to June 26, 2001.
* Insufficient water in well to measure water level.

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet > msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	Groundwater Flow Direction & Gradient
12/21/01	MW-1	99.52	13.79	85.73**	Due North i = 0.03
	MW-2	99.39	10.61	88.78	
	MW-3	99.18	10.08	89.10	
	MW-4	98.79	11.39	88.40	
	MW-5	99.16	12.89	86.27	
	MW-6	99.42	9.10	90.32	
01/23/02	MW-1	99.52	9.52	90.00	Due North i = 0.02
	MW-2	99.39	9.31	90.08	
	MW-3	99.18	8.62	90.56	
	MW-4	98.79	9.10	89.69	
	MW-5	99.16	9.57	89.59	
	MW-6	99.42	8.36	91.06	
03/27/02	MW-1	99.52	9.67	89.85	Northerly i = 0.02
	MW-2	99.39	8.69	90.70	
	MW-3	99.18	8.35	90.83	
	MW-4	98.79	8.68	90.11	
	MW-5	99.16	9.52	89.64	
	MW-6	99.42	7.80	91.62	

** Water level data was not used to calculate flow direction and gradient.

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet > msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	Groundwater Flow Direction & Gradient
6/28/02	MW-1	99.52	14.48	85.04	Northerly i = 0.02
	MW-2	99.39	13.64	85.75	
	MW-3	99.18	12.40	86.78	
	MW-4	98.79	13.80	84.99	
	MW-5	99.16	12.75	86.41	
	MW-6	99.42	13.10	86.32	
10/02/02	MW-1	99.52	20.65	78.87	Northerly i = 0.01
	MW-2	99.39	20.41	78.98	
	MW-3	99.18	19.59	79.60	
	MW-4	98.79	17.93	80.86	
	MW-5	99.16	20.23	78.93	
	MW-6	99.42	19.50	79.92	
	MW-7	98.86	18.92	79.94	
2/07/03	MW-1	99.52	10.03	89.49	Northerly i = 0.02
	MW-2	99.39	9.88	89.51	
	MW-3	99.18	9.57	89.61	
	MW-4	98.79	9.46	89.33	
	MW-5	99.16	9.68	89.48	
	MW-6	99.42	8.55	90.87	
	MW-7	98.86	8.49	90.37	

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet > msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	Groundwater Flow Direction & Gradient
05/07/03	MW-1	99.52	9.11	90.41	Northerly i = 0.02
	MW-2	99.39	8.17	91.22	
	MW-3	99.18	7.52	91.66	
	MW-4	98.79	7.77	91.02	
	MW-5	99.16	9.12	90.04	
	MW-6	99.42	6.89	92.53	
	MW-7	98.86	7.00	91.86	
08/14/03	MW-1	99.52	16.80	82.72	North Easterly i = 0.03
	MW-2	99.39	16.35	83.03	
	MW-3	99.18	15.96	83.22	
	MW-4	98.79	16.01	82.78	
	MW-5	99.16	16.00	83.16	
	MW-6	99.42	14.85	84.57	
	MW-7	98.86	15.04	83.82	
11/18/03	MW-1	99.52	20.70	78.82	North Westerly i = varies
	MW-2	99.39	20.45	78.94	
	MW-3	99.18	17.38	81.80	
	MW-4	98.79	17.49	81.30	
	MW-5	99.16	19.09	80.07	
	MW-6	99.42	18.60	80.82	
	MW-7	98.86	18.56	80.30	

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient
02/24/04	MW-1	99.52	8.28	91.24	Northerly i = 0.02
	MW-2	99.39	7.24	92.15	
	MW-3	99.18	6.99	92.19	
	MW-4	98.79	6.83	91.96	
	MW-5	99.16	9.11	90.05	
	MW-6	99.42	5.93	93.49	
	MW-7	98.86	6.18	92.68	
	MW-8	99.09	9.35	89.74	
05/26/04	MW-1	99.52	11.10	88.42	Northwesterly i = 0.01
	MW-2	99.39	10.03	89.36	
	MW-3	99.18	9.50	89.68	
	MW-4	98.79	10.55	88.24	
	MW-5	99.16	10.40	88.76	
	MW-6	99.42	10.60	88.82	
	MW-7	98.86	10.22	88.64	
	MW-8	99.09	11.29	87.80	
	MW-9	99.42	10.53	89.39	
08/11/04	MW-1	99.52	13.42	86.10	Northwesterly i = 0.01
	MW-2	99.39	12.05	87.34	
	MW-3	99.18	11.03	88.15	
	MW-4	98.79	12.66	86.13	
	MW-5	99.16	12.57	86.59	
	MW-6	99.42	12.47	86.95	
	MW-7	98.86	11.98	86.88	
	MW-8	99.09	13.86	85.23	
	MW-9	99.42	12.30	87.12	

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient
11/17/04	MW-1	99.52	12.45	87.07	Northwesterly i = 0.01
	MW-2	99.39	11.97	87.42	
	MW-3	99.18	10.40	88.78	
	MW-4	98.79	11.90	86.89	
	MW-5	99.16	11.43	87.73	
	MW-6	99.42	11.99	87.43	
	MW-7	98.86	11.49	87.37	
	MW-8	99.09	14.38	84.71	
	MW-9	99.42	11.86	87.56	
02/17/05	MW-1	99.52	7.79	91.73	Northeasterly i = 0.02
	MW-2	99.39	7.47	91.92	
	MW-3	99.18	7.25	91.90	
	MW-4	98.79	6.78	92.01	
	MW-5	99.16	9.02	90.14	
	MW-6	99.42	6.60	92.82	
	MW-7	98.86	6.29	92.57	
	MW-8	99.09	8.96	90.13	
	MW-9	99.42	6.50	92.92	

Appendix B continued

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient (i)
05/25/05	MW-1	99.52	6.48	93.04	Northeasterly i = 0.02
	MW-2	99.39	5.90	93.49	
	MW-3	99.18	6.29	92.89	
	MW-4	98.79	5.31	93.48	
	MW-5	99.16	8.60	90.56	
	MW-6	99.42	5.44	93.98	
	MW-7	98.86	5.12	93.74	
	MW-8	99.09	7.98	91.11	
	MW-9	99.42	5.45	93.97	

APPENDIX C

Appendix C: Historical Groundwater Flow Direction and Gradient Data - Deep Wells

Date	Monitoring Well ID	TOC Elevation (feet - msl)	Depth to Groundwater (feet)	Water Level Elevation (feet - msl)	Groundwater Flow Direction & Gradient (i)
11/19/04	MW-1D	99.11	15.51	83.60	N 75°W i = 0.03
	MW-2D	98.45	15.12	83.33	
	MW-3D	98.89	17.32	81.57	
02/17/05	MW-1D	99.11	10.40	88.71	N 80° W i = 0.02
	MW-2D	98.45	10.12	88.33	
	MW-3D	98.89	11.85	87.04	
05/25/05	MW-1D	99.11	9.14	89.97	N 80° W i = 0.02
	MW-2D	98.45	8.92	89.53	
	MW-3D	98.89	10.45	88.44	

APPENDIX D

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

08 June 2005

Trans Tech Consultants
Attn: Lee
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
RE: Gilmore - Royal Coach Car Wash
Work Order: A505726

Enclosed are the results of analyses for samples received by the laboratory on 05/26/05 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Lisa E. Jansen
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A505726-01	Water	05/25/05 14:10	05/26/05 12:30
MW-2	A505726-02	Water	05/25/05 13:00	05/26/05 12:30
MW-3	A505726-03	Water	05/25/05 13:10	05/26/05 12:30
MW-4	A505726-04	Water	05/25/05 14:00	05/26/05 12:30
MW-5	A505726-05	Water	05/25/05 13:20	05/26/05 12:30
MW-6	A505726-06	Water	05/25/05 13:30	05/26/05 12:30
MW-7	A505726-07	Water	05/25/05 14:20	05/26/05 12:30
MW-8	A505726-08	Water	05/25/05 13:50	05/26/05 12:30
MW-9	A505726-09	Water	05/25/05 13:40	05/26/05 12:30
MW-1D	A505726-10	Water	05/25/05 14:40	05/26/05 12:30
MW-2D	A505726-11	Water	05/25/05 14:50	05/26/05 12:30
MW-3D	A505726-12	Water	05/25/05 14:30	05/26/05 12:30

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-1 (A505726-01)			**Sample Type: Water**			**Sampled: 05/25/05 14:10**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/06/05	50	**15000 ug/l**		**2500**	
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*70-129*		
Volatile Organic Compounds by EPA Method 8260B									**R-06**
Benzene	EPA 8260B	AF50701	06/04/05	06/06/05	50	**2600 ug/l**		**15**	
Toluene	"	"	"	"	"	ND "		15	
Ethylbenzene	"	"	"	"	"	**1000 "**		**25**	
Xylenes (total)	"	"	"	"	"	ND "		25	
Methyl tert-butyl ether	"	"	"	"	"	**630 "**		**25**	
Di-isopropyl ether	"	"	"	"	"	ND "		25	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		25	
Tert-amyl methyl ether	"	"	"	"	"	**88 "**		**25**	
Tert-butyl alcohol	"	"	"	"	"	ND "		500	
1,2-Dichloroethane	"	"	"	"	"	ND "		25	
Chlorobenzene	"	"	"	"	"	ND "		25	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		25	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		25	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		25	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		25	
Surrogate: Bromofluorobenzene	"	"	"	"		*123 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*101 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*74-137*		
MW-2 (A505726-02)			**Sample Type: Water**			**Sampled: 05/25/05 13:00**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/05/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*115 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-2 (A505726-02)			**Sample Type: Water**			**Sampled: 05/25/05 13:00**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/05/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*118 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*104 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*115 %*	*74-137*		
MW-3 (A505726-03)			**Sample Type: Water**			**Sampled: 05/25/05 13:10**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/05/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*117 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-3 (A505726-03)			**Sample Type: Water**			**Sampled: 05/25/05 13:10**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/05/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*117 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*106 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*117 %*	*74-137*		
MW-4 (A505726-04)			**Sample Type: Water**			**Sampled: 05/25/05 14:00**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/06/05	10	**780 ug/l**		**500**	
Surrogate: Toluene-d8	"	"	"	"		*120 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-4 (A505726-04)			**Sample Type: Water**			**Sampled: 05/25/05 14:00**			
Volatile Organic Compounds by EPA Method 8260B									**R-06**
Benzene	EPA 8260B	AF50701	06/04/05	06/06/05	10	**42 ug/l**		**3.0**	
Toluene	"	"	"	"	"	ND "		3.0	
Ethylbenzene	"	"	"	"	"	ND "		5.0	
Xylenes (total)	"	"	"	"	"	ND "		5.0	
Methyl tert-butyl ether	"	"	"	"	"	**120 "**		**5.0**	
Di-isopropyl ether	"	"	"	"	"	ND "		5.0	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		5.0	
Tert-amyl methyl ether	"	"	"	"	"	**9.9 "**		**5.0**	
Tert-butyl alcohol	"	"	"	"	"	**960 "**		**100**	
1,2-Dichloroethane	"	"	"	"	"	ND "		5.0	
Chlorobenzene	"	"	"	"	"	ND "		5.0	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		5.0	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		5.0	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		5.0	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		5.0	
Surrogate: Bromofluorobenzene	"	"	"	"		*115 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*106 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*120 %*	*74-137*		
MW-5 (A505726-05)			**Sample Type: Water**			**Sampled: 05/25/05 13:20**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/05/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*114 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-5 (A505726-05)			**Sample Type: Water**			**Sampled: 05/25/05 13:20**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/05/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*118 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*99.6 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*114 %*	*74-137*		
MW-6 (A505726-06)			**Sample Type: Water**			**Sampled: 05/25/05 13:30**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/05/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*118 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-6 (A505726-06)			**Sample Type: Water**			**Sampled: 05/25/05 13:30**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/05/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*118 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*110 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*118 %*	*74-137*		
MW-7 (A505726-07)			**Sample Type: Water**			**Sampled: 05/25/05 14:20**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50703	06/05/05	06/07/05	500	**95000 ug/l**		**25000**	
Surrogate: Toluene-d8	"	"	"	"		*107 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-7 (A505726-07)			**Sample Type: Water**			**Sampled: 05/25/05 14:20**			
Volatile Organic Compounds by EPA Method 8260B									**R-06**
Benzene	EPA 8260B	AF50710	06/04/05	06/07/05	500	**10000 ug/l**		**150**	
Toluene	"	"	"	"	"	**13000 "**		**150**	
Ethylbenzene	"	"	"	"	"	**5200 "**		**250**	
Xylenes (total)	"	"	"	06/06/05	100	14000 "		50	
Methyl tert-butyl ether	"	"	"	"	"	**110 "**		**50**	
Di-isopropyl ether	"	"	"	"	"	ND "		50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		50	
Tert-butyl alcohol	"	"	"	"	"	ND "		1000	
1,2-Dichloroethane	"	"	"	"	"	ND "		50	
Chlorobenzene	"	"	"	"	"	ND "		50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		50	
Surrogate: Bromofluorobenzene	"	"	"	"		*122 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*104 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*74-137*		
MW-8 (A505726-08)			**Sample Type: Water**			**Sampled: 05/25/05 13:50**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/05/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*114 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-8 (A505726-08)			**Sample Type: Water**			**Sampled: 05/25/05 13:50**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/05/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	**6.5 "**		**0.50**	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*115 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*108 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*114 %*	*74-137*		
MW-9 (A505726-09)			**Sample Type: Water**			**Sampled: 05/25/05 13:40**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/06/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-9 (A505726-09)			**Sample Type: Water**			**Sampled: 05/25/05 13:40**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/06/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*116 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*109 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*74-137*		
MW-1D (A505726-10)			**Sample Type: Water**			**Sampled: 05/25/05 14:40**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50703	06/05/05	06/07/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-1D (A505726-10)			**Sample Type: Water**			**Sampled: 05/25/05 14:40**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50710	06/05/05	06/07/05	1	**0.56 ug/l**		**0.30**	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	**41 "**		**0.50**	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	**0.96 "**		**0.50**	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*114 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*118 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*74-137*		
MW-2D (A505726-11)			**Sample Type: Water**			**Sampled: 05/25/05 14:50**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/06/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*118 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-2D (A505726-11)			**Sample Type: Water**			**Sampled: 05/25/05 14:50**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/06/05	1	**0.60 ug/l**		**0.30**	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	**2.1 "**		**0.50**	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*118 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*115 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*118 %*	*74-137*		
MW-3D (A505726-12)			**Sample Type: Water**			**Sampled: 05/25/05 14:30**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AF50619	06/04/05	06/06/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*119 %*	*70-129*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-3D (A505726-12)			**Sample Type: Water**			**Sampled: 05/25/05 14:30**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AF50701	06/04/05	06/06/05	1	**0.64 ug/l**		**0.30**	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	**0.62 "**		**0.50**	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	**12 "**		**0.50**	
Di-isopropyl ether	"	"	"	"	"	**1.3 "**		**0.50**	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	**0.71 "**		**0.50**	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
1,2-Dichloroethane	"	"	"	"	"	ND "		0.50	
Chlorobenzene	"	"	"	"	"	ND "		0.50	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		0.50	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*117 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*109 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*119 %*	*74-137*		

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50619 - EPA 5030 Water GCMS										
Blank (AF50619-BLK1)				Prepared: 06/04/05	Analyzed: 06/05/05					
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	*28.9*		"	*25.0*		*116*	*70-129*			
LCS (AF50619-BS1)				Prepared: 06/04/05	Analyzed: 06/05/05					
TPH as Gasoline	206	50	ug/l	200		103	65-137			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*70-129*			
LCS Dup (AF50619-BSD1)				Prepared: 06/04/05	Analyzed: 06/05/05					
TPH as Gasoline	217	50	ug/l	200		108	65-137	5.20	20	
Surrogate: Toluene-d8	*26.3*		"	*25.0*		*105*	*70-129*			
Matrix Spike (AF50619-MS1)		**Source: A505726-03**		Prepared: 06/04/05	Analyzed: 06/05/05					
TPH as Gasoline	217	50	ug/l	200	ND	98.5	65-137			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*70-129*			
Batch AF50703 - EPA 5030 Water GCMS										
Blank (AF50703-BLK1)				Prepared: 06/05/05	Analyzed: 06/06/05					
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	*28.4*		"	*25.0*		*114*	*70-129*			
LCS (AF50703-BS1)				Prepared: 06/05/05	Analyzed: 06/06/05					
TPH as Gasoline	193	50	ug/l	200		96.5	65-137			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*70-129*			
LCS Dup (AF50703-BSD1)				Prepared: 06/05/05	Analyzed: 06/06/05					
TPH as Gasoline	185	50	ug/l	200		92.5	65-137	4.23	20	

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50703 - EPA 5030 Water GCMS										
LCS Dup (AF50703-BSD1)				Prepared: 06/05/05	Analyzed: 06/06/05					
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*70-129*			
Matrix Spike (AF50703-MS1)		**Source: A505753-08**		Prepared: 06/05/05	Analyzed: 06/06/05					
TPH as Gasoline	203	50	ug/l	200	ND	93.0	65-137			
Surrogate: Toluene-d8	*26.2*		"	*25.0*		*105*	*70-129*			

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50701 - EPA 5030 Water GCMS										
Blank (AF50701-BLK1)				Prepared: 06/04/05 Analyzed: 06/05/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
1,2-Dichloroethane	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Surrogate: Bromofluorobenzene	*29.8*		"	*25.0*		*119*	*45-147*			
Surrogate: Dibromofluoromethane	*25.5*		"	*25.0*		*102*	*85-129*			
Surrogate: Toluene-d8	*28.9*		"	*25.0*		*116*	*74-137*			
LCS (AF50701-BS1)				Prepared: 06/04/05 Analyzed: 06/05/05						
Benzene	4.40	0.30	ug/l	5.00		88.0	79-116			
Toluene	4.83	0.30	"	5.00		96.6	83-120			
Ethylbenzene	5.05	0.50	"	5.00		101	81-119			
Xylenes (total)	14.4	0.50	"	15.0		96.0	79-121			
Methyl tert-butyl ether	5.94	0.50	"	5.00		119	73-127			
Di-isopropyl ether	6.03	0.50	"	5.07		119	69-96			QL-03
Ethyl tert-butyl ether	6.40	0.50	"	5.08		126	76-117			QL-03

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50701 - EPA 5030 Water GCMS										
LCS (AF50701-BS1)				Prepared: 06/04/05 Analyzed: 06/05/05						
Tert-amyl methyl ether	6.67	0.50	"	5.16		129	80-122			QL-03
Tert-butyl alcohol	107	10	"	98.2		109	53-132			
1,2-Dichloroethane	4.44	0.50	"	5.00		88.8	78-115			
Chlorobenzene	4.73	0.50	"	5.00		94.6	82-112			
1,3-Dichlorobenzene	4.56	0.50	"	5.00		91.2	82-117			
1,4-Dichlorobenzene	4.85	0.50	"	5.00		97.0	85-113			
1,2-Dichlorobenzene	5.09	0.50	"	5.00		102	83-113			
1,2-Dibromoethane (EDB)	4.80	0.50	"	5.00		96.0	84-117			
Surrogate: Bromofluorobenzene	*29.9*		"	*25.0*		*120*	*45-147*			
Surrogate: Dibromofluoromethane	*28.2*		"	*25.0*		*113*	*85-129*			
Surrogate: Toluene-d8	*29.1*		"	*25.0*		*116*	*74-137*			
LCS Dup (AF50701-BSD1)				Prepared: 06/04/05 Analyzed: 06/05/05						
Benzene	4.45	0.30	ug/l	5.00		89.0	79-116	1.13	25	
Toluene	4.69	0.30	"	5.00		93.8	83-120	2.94	25	
Ethylbenzene	4.76	0.50	"	5.00		95.2	81-119	5.91	25	
Xylenes (total)	13.9	0.50	"	15.0		92.7	79-121	3.53	25	
Methyl tert-butyl ether	6.18	0.50	"	5.00		124	73-127	3.96	25	
Di-isopropyl ether	6.01	0.50	"	5.07		119	69-96	0.332	25	QL-03
Ethyl tert-butyl ether	6.28	0.50	"	5.08		124	76-117	1.89	25	QL-03
Tert-amyl methyl ether	6.25	0.50	"	5.16		121	80-122	6.50	25	
Tert-butyl alcohol	118	10	"	98.2		120	53-132	9.78	25	
1,2-Dichloroethane	4.55	0.50	"	5.00		91.0	78-115	2.45	25	
Chlorobenzene	4.47	0.50	"	5.00		89.4	82-112	5.65	25	
1,3-Dichlorobenzene	4.44	0.50	"	5.00		88.8	82-117	2.67	25	
1,4-Dichlorobenzene	4.79	0.50	"	5.00		95.8	85-113	1.24	25	
1,2-Dichlorobenzene	4.95	0.50	"	5.00		99.0	83-113	2.79	25	

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50701 - EPA 5030 Water GCMS										
LCS Dup (AF50701-BSD1)				Prepared: 06/04/05 Analyzed: 06/05/05						
1,2-Dibromoethane (EDB)	4.89	0.50	"	5.00		97.8	84-117	1.86	25	
Surrogate: Bromofluorobenzene	*29.5*		"	*25.0*		*118*	*45-147*			
Surrogate: Dibromofluoromethane	*28.4*		"	*25.0*		*114*	*85-129*			
Surrogate: Toluene-d8	*28.1*		"	*25.0*		*112*	*74-137*			
Matrix Spike (AF50701-MS1)		**Source: A505726-02**		Prepared: 06/04/05 Analyzed: 06/05/05						
Benzene	4.47	0.30	ug/l	5.00	ND	89.4	63-144			
Toluene	4.91	0.30	"	5.00	ND	98.2	65-145			
Ethylbenzene	5.00	0.50	"	5.00	ND	100	57-155			
Xylenes (total)	14.6	0.50	"	15.0	ND	97.3	59-149			
Methyl tert-butyl ether	6.30	0.50	"	5.00	ND	126	62-156			
Di-isopropyl ether	5.89	0.50	"	5.07	ND	116	58-115			QL-03
Ethyl tert-butyl ether	5.95	0.50	"	5.08	ND	117	57-147			
Tert-amyl methyl ether	6.05	0.50	"	5.16	ND	117	53-153			
Tert-butyl alcohol	120	10	"	98.2	ND	122	41-147			
1,2-Dichloroethane	4.27	0.50	"	5.00	ND	85.4	61-134			
Chlorobenzene	4.65	0.50	"	5.00	ND	93.0	62-139			
1,3-Dichlorobenzene	4.59	0.50	"	5.00	ND	91.8	59-140			
1,4-Dichlorobenzene	4.85	0.50	"	5.00	ND	97.0	62-136			
1,2-Dichlorobenzene	4.97	0.50	"	5.00	ND	99.4	62-137			
1,2-Dibromoethane (EDB)	4.82	0.50	"	5.00	ND	96.4	58-140			
Surrogate: Bromofluorobenzene	*29.8*		"	*25.0*		*119*	*45-147*			
Surrogate: Dibromofluoromethane	*27.2*		"	*25.0*		*109*	*85-129*			
Surrogate: Toluene-d8	*28.8*		"	*25.0*		*115*	*74-137*			
Batch AF50710 - EPA 5030 Water GCMS										

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50710 - EPA 5030 Water GCMS										
Blank (AF50710-BLK1)				Prepared: 06/05/05 Analyzed: 06/06/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
1,2-Dichloroethane	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Surrogate: Bromofluorobenzene	*29.8*		"	*25.0*		*119*	*45-147*			
Surrogate: Dibromofluoromethane	*28.8*		"	*25.0*		*115*	*85-129*			
Surrogate: Toluene-d8	*28.4*		"	*25.0*		*114*	*74-137*			
LCS (AF50710-BS1)				Prepared: 06/05/05 Analyzed: 06/06/05						
Benzene	4.48	0.30	ug/l	5.00		89.6	79-116			
Toluene	5.19	0.30	"	5.00		104	83-120			
Ethylbenzene	4.70	0.50	"	5.00		94.0	81-119			
Xylenes (total)	14.0	0.50	"	15.0		93.3	79-121			
Methyl tert-butyl ether	5.08	0.50	"	5.00		102	73-127			
Di-isopropyl ether	5.51	0.50	"	5.07		109	69-96			QL-03
Ethyl tert-butyl ether	5.57	0.50	"	5.08		110	76-117			

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50710 - EPA 5030 Water GCMS										
LCS (AF50710-BS1)				Prepared: 06/05/05 Analyzed: 06/06/05						
Tert-amyl methyl ether	5.86	0.50	"	5.16		114	80-122			
Tert-butyl alcohol	108	10	"	98.2		110	53-132			
1,2-Dichloroethane	4.65	0.50	"	5.00		93.0	78-115			
Chlorobenzene	4.80	0.50	"	5.00		96.0	82-112			
1,3-Dichlorobenzene	4.66	0.50	"	5.00		93.2	82-117			
1,4-Dichlorobenzene	4.87	0.50	"	5.00		97.4	85-113			
1,2-Dichlorobenzene	4.78	0.50	"	5.00		95.6	83-113			
1,2-Dibromoethane (EDB)	4.91	0.50	"	5.00		98.2	84-117			
Surrogate: Bromofluorobenzene	*30.8*		"	*25.0*		*123*	*45-147*			
Surrogate: Dibromofluoromethane	*28.1*		"	*25.0*		*112*	*85-129*			
Surrogate: Toluene-d8	*29.7*		"	*25.0*		*119*	*74-137*			
LCS Dup (AF50710-BSD1)				Prepared: 06/05/05 Analyzed: 06/06/05						
Benzene	4.42	0.30	ug/l	5.00		88.4	79-116	1.35	25	
Toluene	4.77	0.30	"	5.00		95.4	83-120	8.43	25	
Ethylbenzene	4.56	0.50	"	5.00		91.2	81-119	3.02	25	
Xylenes (total)	13.5	0.50	"	15.0		90.0	79-121	3.64	25	
Methyl tert-butyl ether	5.41	0.50	"	5.00		108	73-127	6.29	25	
Di-isopropyl ether	5.84	0.50	"	5.07		115	69-96	5.81	25	QL-03
Ethyl tert-butyl ether	6.00	0.50	"	5.08		118	76-117	7.43	25	QL-03
Tert-amyl methyl ether	6.09	0.50	"	5.16		118	80-122	3.85	25	
Tert-butyl alcohol	116	10	"	98.2		118	53-132	7.14	25	
1,2-Dichloroethane	4.74	0.50	"	5.00		94.8	78-115	1.92	25	
Chlorobenzene	4.58	0.50	"	5.00		91.6	82-112	4.69	25	
1,3-Dichlorobenzene	4.51	0.50	"	5.00		90.2	82-117	3.27	25	
1,4-Dichlorobenzene	4.76	0.50	"	5.00		95.2	85-113	2.28	25	
1,2-Dichlorobenzene	4.76	0.50	"	5.00		95.2	83-113	0.419	25	

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF50710 - EPA 5030 Water GCMS										
LCS Dup (AF50710-BSD1)				Prepared: 06/05/05	Analyzed: 06/06/05					
1,2-Dibromoethane (EDB)	4.83	0.50	"	5.00		96.6	84-117	1.64	25	
Surrogate: Bromofluorobenzene	*30.0*		"	*25.0*		*120*	*45-147*			
Surrogate: Dibromofluoromethane	*28.4*		"	*25.0*		*114*	*85-129*			
Surrogate: Toluene-d8	*28.9*		"	*25.0*		*116*	*74-137*			
Matrix Spike (AF50710-MS1)		**Source: A505753-03**		Prepared: 06/05/05	Analyzed: 06/06/05					
Benzene	4.56	0.30	ug/l	5.00	ND	91.2	63-144			
Toluene	4.99	0.30	"	5.00	ND	99.8	65-145			
Ethylbenzene	4.82	0.50	"	5.00	ND	96.4	57-155			
Xylenes (total)	14.4	0.50	"	15.0	ND	96.0	59-149			
Methyl tert-butyl ether	5.67	0.50	"	5.00	ND	113	62-156			
Di-isopropyl ether	5.87	0.50	"	5.07	ND	116	58-115			QL-03
Ethyl tert-butyl ether	5.89	0.50	"	5.08	ND	116	57-147			
Tert-amyl methyl ether	5.86	0.50	"	5.16	ND	114	53-153			
Tert-butyl alcohol	125	10	"	98.2	ND	127	41-147			
1,2-Dichloroethane	4.74	0.50	"	5.00	ND	94.8	61-134			
Chlorobenzene	4.82	0.50	"	5.00	ND	96.4	62-139			
1,3-Dichlorobenzene	4.67	0.50	"	5.00	ND	93.4	59-140			
1,4-Dichlorobenzene	4.89	0.50	"	5.00	ND	97.8	62-136			
1,2-Dichlorobenzene	4.95	0.50	"	5.00	ND	99.0	62-137			
1,2-Dibromoethane (EDB)	4.85	0.50	"	5.00	ND	97.0	58-140			
Surrogate: Bromofluorobenzene	*30.1*		"	*25.0*		*120*	*45-147*			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*85-129*			
Surrogate: Toluene-d8	*29.2*		"	*25.0*		*117*	*74-137*			

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

Nena M. Burgess For Lisa E. Jansen
Project Manager

6/8/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Lee

Report Date: 06/08/05 13:39
Project No: 1222.01
Project ID: Gilmore - Royal Coach Car Wash

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505726	05/26/2005 12:30	TRANSTEC	

Notes and Definitions

R-06 The Reporting Limits for this analysis have been raised to account for matrix interference.

QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

PQL Practical Quantitation Limit

WORK ORDER
CHAIN OF CUSTODY RECORD

Alpha

Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

DATE 5/25/05 PAGE 1 OF 2

CLIENT'S NAME Peggy Gilmore	PROJECT MANAGER Lee Hurvitz
STREET ADDRESS CITY STATE ZIP	PHONE NUMBER
PROJECT NAME Royal Coach Car Wash	FAX NUMBER
CONTRACT/PURCHASE ORDER/QUOTE NUMBER 1222-01	SITE CONTACT
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM. [signature]	SAMPLED BY Brian Hasik

ANALYSES: TPH-gas; BTEX 5 oxy; Pb scavengers

SAMPLE CONDITION ON RECEIPT:

COLD/ICED? _____

BUBBLES OR AIR SPACE? _____

WERE SAMPLES PRESERVED? _____

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	SAMPLE TYPE: LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	TPH-gas	BTEX 5 oxy	Pb scavengers			EXPLAIN IRREGULARITIES BELOW
MW-1	5/25	2:10	A505726-1							X	X	X			MW-8 One Broken Wa
MW-2		1:00	2							X	X	X			NB 5/26/05
MW-3		1:10	3							X	X	X			
MW-4		2:00	4							X	X	X			
MW-5		1:20	5							X	X	X			
MW-6		1:30	6							X	X	X			
MW-7		2:20	7							X	X	X			
MW-8		1:50	8							X	X	X			Geotracker
MW-9		1:40	9							X	X	X			T0609700361

RELINQUISHED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE) [signature]	DATE 5-26-05	TIME 10:30 AM
RELINQUISHED BY: (SIGNATURE) [signature] (1230)	RECEIVED BY: (SIGNATURE) [signature]	DATE 5/26/05	TIME 1230
RELINQUISHED BY: (SIGNATURE)	RECEIVED FOR LABORATORY BY:	SAMPLE CONTROL OFFICER	
METHOD OF SHIPMENT	AUTHORIZED BY:		
SPECIAL INSTRUCTIONS			
DRIVING TIME 7.0	SITE TIME	TOTAL TIME	

TURN AROUND TIME REQUESTED: Standard

SAMPLE DESPOSITION:

1. STORAGE TIME REQUESTED _____ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES: THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.

WORK ORDER
CHAIN OF CUSTODY RECORD

Alpha

Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

DATE 5/25/05 PAGE 2 OF 2

CLIENT'S NAME: Peggy Gilmore

STREET ADDRESS / CITY / STATE / ZIP:

PROJECT NAME: Royal Coach Car Wash

CONTRACT/PURCHASE ORDER/QUOTE NUMBER: 1222.01

SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.: B. H.

PROJECT MANAGER: Leo Hurvitz

PHONE NUMBER:

FAX NUMBER:

SITE CONTACT:

SAMPLED BY: Brian Hasik

ANALYSES: TPH-DAY, BTEX 8021, Pb 5 CAM.

SAMPLE CONDITION ON RECEIPT:

COLD/ICED? ____

BUBBLES OR AIR SPACE? ____

WERE SAMPLES PRESERVED? ____

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	TPH-DAY	BTEX 8021	Pb 5 CAM.	EXPLAIN IRREGULARITIES BELOW
MW-1D	5/25	2:40	A505726-10	X				X	3	X	X	X	
MW-2D	5/25	2:50	11	X				X	3	X	X	X	
MW-3D	5/25	2:30	12	X				X	3	X	X	X	

Greenacker
T0609700361

RELINQUISHED BY: (SIGNATURE) B. H.

RECEIVED BY: (SIGNATURE) [illegible] DATE 5/26/05 TIME 10:30 AM

RELINQUISHED BY: (SIGNATURE) [illegible] 1230

RECEIVED BY: (SIGNATURE) [illegible] DATE 5/26/05 TIME 1230

RELINQUISHED BY: (SIGNATURE)

RECEIVED FOR LABORATORY BY:

TURN AROUND TIME REQUESTED: Standard

SAMPLE CONTROL OFFICER

METHOD OF SHIPMENT

AUTHORIZED BY:

SPECIAL INSTRUCTIONS

SAMPLE DESPOSITION:

1. STORAGE TIME REQUESTED ____ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES: THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.

DRIVING TIME: T.D.

SITE TIME

TOTAL TIME

APPENDIX E

Appendix E: Historical Groundwater Analytical Data - Shallow Wells

Sample Date	Sample ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
03/13/01	MW-1	**2,800**	**370**	**0.81**	**83**	<1.5	**130***
	MW-2	<50	<0.5	<0.5	<0.5	<1.5	**1.1**
	MW-3	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-4	**5,900**	**53**	**<0.5**	**310**	**100**	**1,700***
	MW-5	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-6	<50	<0.5	<0.5	<0.5	<1.5	<1.0
06/26/01	MW-1	**3,700**	**660**	**1.4**	**95**	**6.2**	**140***
	MW-2	<50	<0.3	<0.3	<0.5	<0.5	**3.3***
	MW-3	<50	<0.3	<0.3	<0.5	<0.5	**0.76**
	MW-4	**2,400**	**25**	**2.3**	**86**	**18**	**540***
	MW-5	<50	<0.3	<0.3	<0.5	<0.5	<0.5
	MW-6	<50	<0.3	<0.3	<0.5	<0.5	<0.5
09/24/01	MW-1**	NS	NS	NS	NS	NS	NS
	MW-2	<50	<0.5	<0.5	<0.5	<1.5	**1.2**
	MW-3	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-4	**2,700**	**59**	**15**	**92**	**45**	**160***
	MW-5	<50	<0.5	<0.5	<0.5	<1.5	<20***
	MW-6**	NS	NS	NS	NS	NS	NS

Note = Additional groundwater analytical data is available prior to June 26, 2001.
< = Indicates the laboratory test method detection limit.
* = Additional oxygenated fuel additives detected.
** = Insufficient water in well to collect a groundwater sample.
*** = Note elevated laboratory detection limit.

Appendix E continued

Sample Date	Sample ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
12/18/01	MW-1	**22,000**	**4,900**	**33**	**1,300**	**180**	**350***
	MW-2	<50	**0.54**	<0.3	<0.5	<0.5	**1.6***
	MW-3	<50	**1.2**	<0.3	**0.59**	<0.5	**0.85**
	MW-4	**1,500**	**9.8**	**0.49**	**12**	**5.5**	**43***
	MW-5	<50	**0.37**	<0.3	**0.58**	**0.90**	<0.5
	MW-6	<50	<0.3	<0.3	<0.5	<0.5	<0.5
03/27/02	MW-1	**4,900**	**1,900**	**16**	**560**	**75**	**130***
	MW-2	<50	<0.5	<0.5	<0.5	<1.5	**1.0**
	MW-3	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-4	**420**	**8.2**	**3.3**	**1.5**	**6.4**	**17***
	MW-5	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	MW-6	<50	<0.5	<0.5	<0.5	<1.5	<1.0
06/28/02	MW-1	**6,100**	**1,100**	<5.0	**380**	**33**	**150***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.0**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**2,700**	**260**	**3.7**	**99**	**79**	**950***
	MW-5	<50	**4.3**	<1.0	**1.7**	**1.0**	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0

< = Indicates the laboratory test method detection limit.
* = Additional oxygenated fuel additives detected.

Appendix E continued

Sample Date	Sample ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
10/02/02	MW-1	**13,000**	**2,600**	<25	**680**	**26**	**280***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.6**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**3,100**	**75**	**3.1**	**6.9**	**16**	**260***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**37,000**	**9,700**	**160**	**3,500**	**1,000**	**140**
02/07/03	MW-1	**11,000**	**2,600**	**30**	**790**	**95**	**280***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.1**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**1,500**	**6.0**	<2.0	<2.0	**2.2**	**21***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**59,000**	**11,000**	**9,500**	**4,400**	**11,700**	**110**
05/07/03	MW-1	**9,400**	**1,700**	<20	**600**	**39**	**240***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.2**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**930**	**81**	**2.8**	**3.1**	**15**	**37***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**65,000**	**11,000**	**8,800**	**4,900**	**11,900**	**140**

* = See laboratory report for additional fuel oxygenates detected.
< = Indicates the laboratory test method detection limit.

Appendix E continued

Sample Date	Sample ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
08/14/03	MW-1	**12,000**	**3,100**	<20	**1,100**	**30**	**310***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.1**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**1,500**	**190**	**2.2**	**20**	**59**	**680***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**51,000**	**8,600**	**2,400**	**3,900**	**4,600**	<100
11/18/03	MW-1	**9,500**	**3,300**	**73**	**960**	**84**	**430***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**2,500**	**83**	<10	<10	**19**	**170***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**22,000**	**8,100**	**240**	**3,100**	**770**	<100

* = See laboratory report for additional fuel oxygenates detected.
< = Indicates the laboratory test method detection limit.

Appendix E continued

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
02/24/04	MW-1	**7,300**	**2,300**	<50	**680**	**59**	**340***
	MW-2	NS	NS	NS	NS	NS	NS
	MW-3	NS	NS	NS	NS	NS	NS
	MW-4	**1,100**	**11**	<1.0	<1.0	**1.3**	**33***
	MW-5	NS	NS	NS	NS	NS	NS
	MW-6	NS	NS	NS	NS	NS	NS
	MW-7	**46,000**	**8,600**	**6,800**	**4,100**	**10,100**	<100
	MW-8	<50	<1.0	<1.0	<1.0	<1.0	**35**
05/26/04	MW-1	**4,300**	**550**	<5.0	**120**	**6.5**	**190***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	**1.1**
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**1,100**	**75**	<1.0	**1.7**	**8.4**	**28***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**28,000**	**9,300**	**5,500**	**4,500**	**8,400**	<100
	MW-8	<50	<1.0	<1.0	<1.0	<1.0	**34**
	MW-9	<50	<1.0	<1.0	<1.0	<1.0	<1.0

* = See laboratory report for additional fuel oxygenates detected.
< = Indicates the laboratory test method detection limit.
NS = Not sampled this quarter.

Appendix E continued

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
8/11/04	MW-1	**6,800**	**1,200**	<50	**420**	<50	**280**
	MW-2	NS	NS	NS	NS	NS	NS
	MW-3	NS	NS	NS	NS	NS	NS
	MW-4	**2,700**	**420**	<10	**66**	**84**	**620***
	MW-5	NS	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	NS	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**47,000**	**8,000**	**4,900**	**4,100**	**7,300**	<100
	MW-8	<50	<1.0	<1.0	<1.0	<1.0	**23**
	MW-9	<50	<1.0	<1.0	<1.0	<1.0	<1.0
11/17/04	MW-1	**7,600**	**1,700**	<5.0	**540**	**12**	**430***
	MW-2	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-4	**3,900**	**140**	<10	**230**	**67**	**480***
	MW-5	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-6	<50	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-7	**42,000**	**8,900**	**7,300**	**4,600**	**9,200**	**100**
	MW-8	**72**	<1.0	<1.0	<1.0	<1.0	**160***
	MW-9	<50	<1.0	<1.0	<1.0	<1.0	<1.0

* = See laboratory report for additional fuel oxygenates detected.
< = Indicates the laboratory test method detection limit.
NS = Not sampled this quarter.

Appendix E continued

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE**
		µg/L					
02/17/05	MW-1	**20,000**	**4,700**	<15*	**2000**	<25*	**690**
	MW-2	NS	NS	NS	NS	NS	NS
	MW-3	NS	NS	NS	NS	NS	NS
	MW-4	**2,200**	**15**	<6.0*	<10*	<10*	**48**
	MW-5	NS	NS	NS	NS	NS	NS
	MW-6	NS	NS	NS	NS	NS	NS
	MW-7	**140,000**	**16,000**	**17,000**	**8,500**	**19,000**	<50*
	MW-8	<50	<0.30	<0.30	<0.50	<0.50	**66**
	MW-9	<50	<0.30	<0.30	<0.50	<0.50	<0.50
05/25/05	MW-1	**15,000**	**2,600**	<15*	**1000**	<25*	**630****
	MW-2	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-3	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-4	**780**	**42**	<3.0*	<5.0*	<5.0*	**120****
	MW-5	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-6	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	MW-7	**95,000**	**10,000**	**13,000**	**5,200**	**14,000**	**110**
	MW-8	<50	<0.30	<0.30	<0.50	<0.50	**6.5**
	MW-9	<50	<0.30	<0.30	<0.50	<0.50	<0.50

< = Indicates the laboratory test method detection limit.
NS = Not sampled.
* = The Reporting Limits for this analysis have been raised to account for matrix interference.
** = Additional oxygenated fuel additives not detected at or above the laboratory test method detection limits.

APPENDIX F

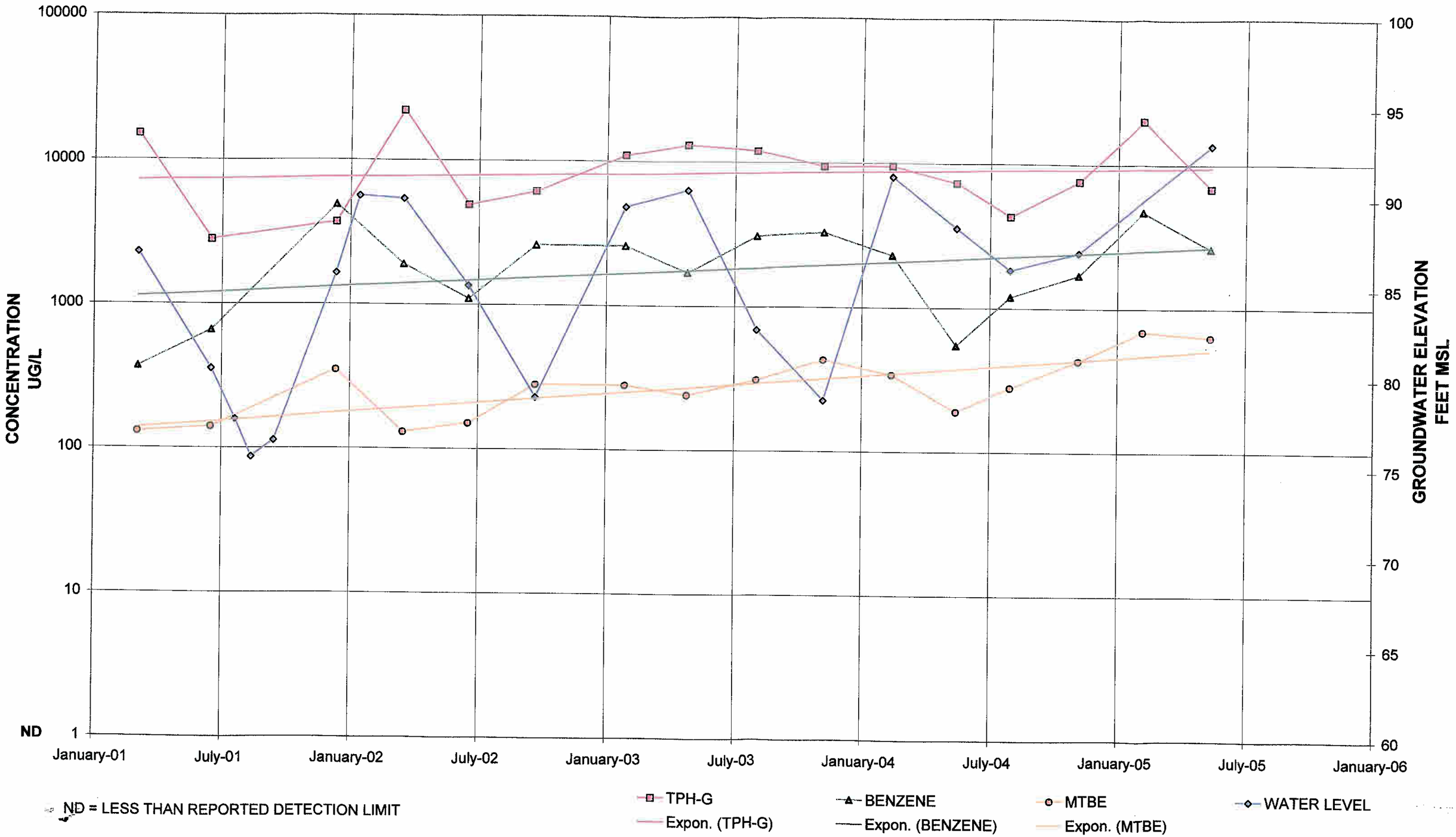
Appendix F: Historical Groundwater Analytical Data - Deep Wells

Date	Well ID	TPH as Gasoline	B	T	E	X	MtBE
		µg/L					
11/19/04	MW-1D	**57**	<1.0	<1.0	<1.0	<1.0	**18***
	MW-2D	**1,600**	**53**	**3.4**	**87**	**16.9**	**110***
	MW-3D	<50	<1.0	<1.0	<1.0	<1.0	**84***
02/17/05	MW-1D	<50	<0.30	<0.30	<0.50	<0.50	**31**
	MW-2D	<50	**0.71**	<0.30	<0.50	<0.50	**52***
	MW-3D	<50	<0.30	<0.30	<0.50	<0.50	**6.2***
05/25/05	MW-1D	<50	**0.56**	<0.30	<0.50	<0.50	**41***
	MW-2D	<50	**0.60**	<0.30	<0.50	<0.50	**2.1**
	MW-3D	<50	**0.64**	<0.30	**0.62**	<0.50	**12***

< = Indicates the laboratory test method detection limit.
* = Additional oxygenated fuel additives have been detected (see laboratory reports).

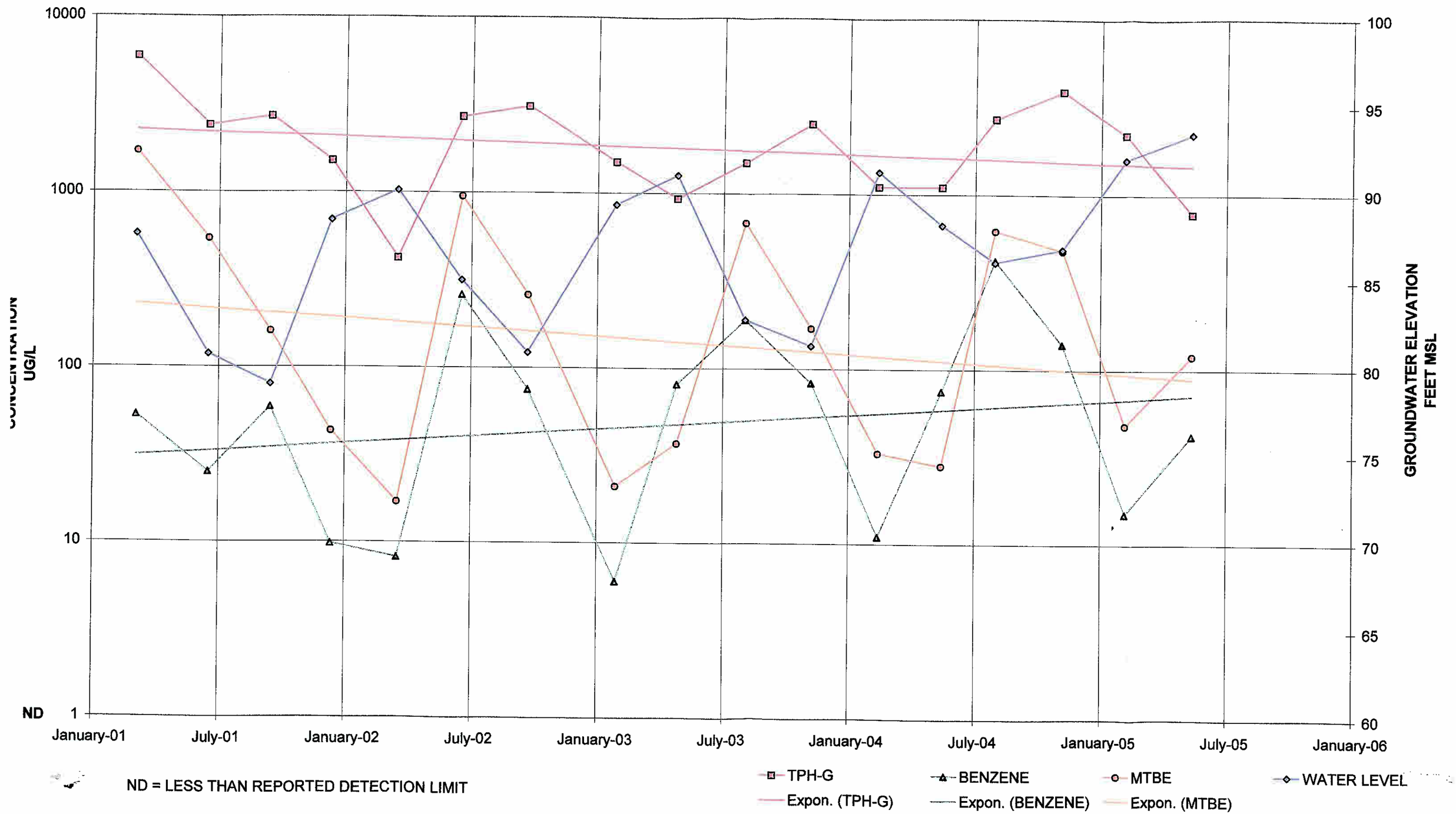
APPENDIX G

TIME vs. CONCENTRATION GRAPH MW-1
ROYAL COACH CAR WASH
7360 COMMERCE BLVD., ROHNERT PARK, CALIFORNIA



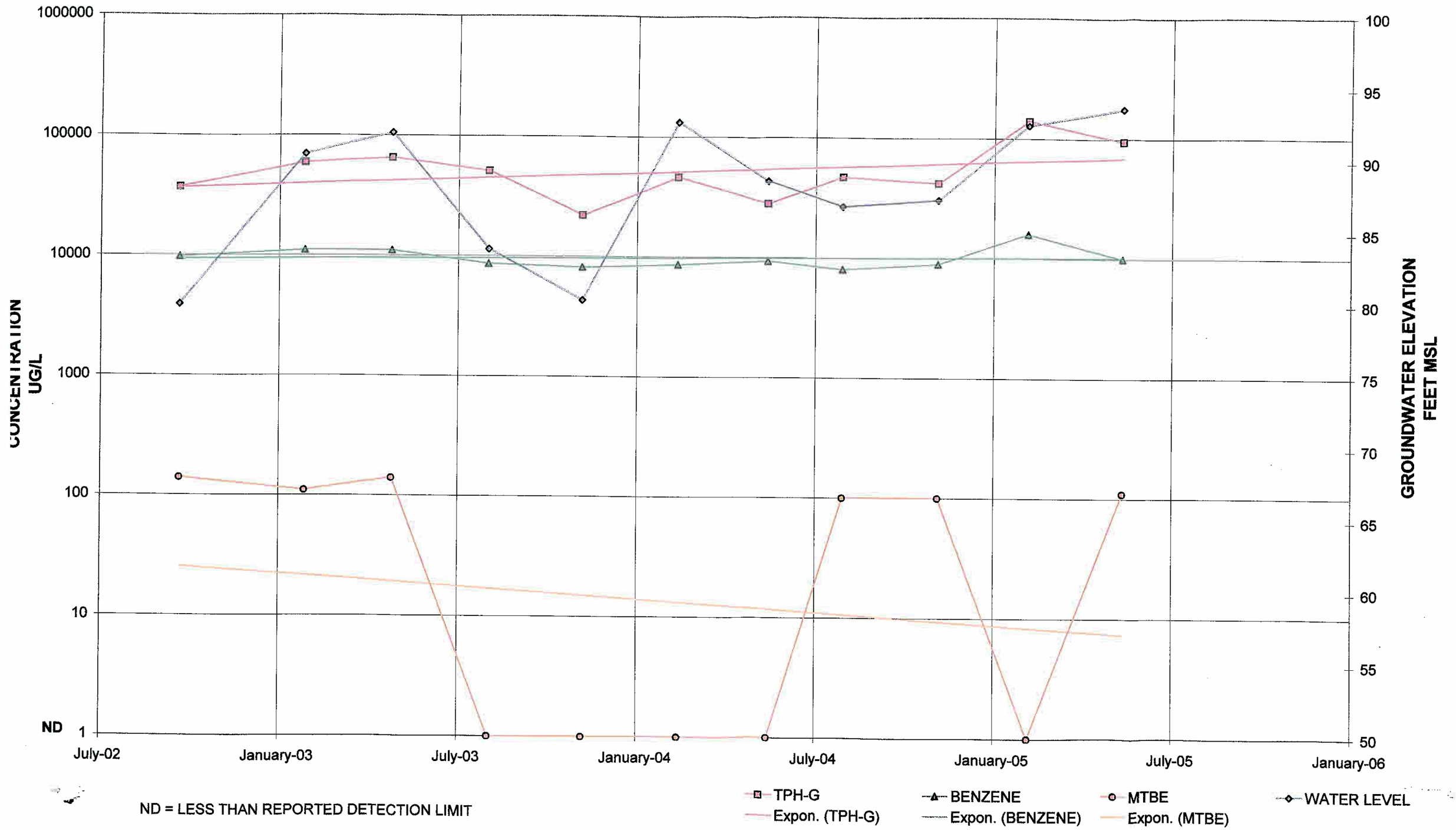
ND = LESS THAN REPORTED DETECTION LIMIT

TIME vs. CONCENTRATION GRAPH MW-4
ROYAL COACH CAR WASH
7360 COMMERCE BLVD., ROHNERT PARK, CALIFORNIA



ND = LESS THAN REPORTED DETECTION LIMIT

TIME vs. CONCENTRATION GRAPH MW-7
ROYAL COACH CAR WASH
7360 COMMERCE BLVD., ROHNERT PARK, CALIFORNIA



ND = LESS THAN REPORTED DETECTION LIMIT

DISTRIBUTION LIST

2nd Quarter 2005 Monitoring Report

Royal Coach Car Wash
7360 Commerce Boulevard
Cotati, California

Dated June 21, 2005
Job No. 1222.01

Mr. Dale Radford
Sonoma County Department of Health Services
Environmental Health Division
3273 Airway Drive, Suite D
Santa Rosa, California 95403-2097

Mr. Luis Rivera
North Coast Regional Water
Quality Control Board
5550 Skyline Boulevard, Suite A
Santa Rosa, California 95403