Chevron

95 AUG 24 PM 1:37

August 17, 1995

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station # 9-0100
2428 Central Avenue, Alameda, CA

Dear Ms. Shin,

Please find attached the second quarter 1995 quarterly groundwater sampling report prepared by Gettler-Ryan, dated July 21,1995, describing the results of the sampling event performed on June 13th, 1995.

The groundwater samples collected by Gettler-Ryan were analyzed for the presence of TPHG and BTEX constituents. The results obtained during the sampling event were consistent with previous events at this site.

Chevron would like to thank you for your letter dated June 30th, 1995 allowing Chevron to reduce sampling from quarterly to semi-annual. Your letter requested the two semi events to take place in Sept. 95 and Feb. 96. We are sending in this second quarter report due to it having been completed prior to your letter on June 30th. Chevron will re-sample this site in Sept. as the first of the semi-annual events.

As of August 1995 I have taken on the monitoring of this site as Chevron's Groundwater Coordinator. If you have any questions or comments please call, I can be reached by phone at 510 842-9449, or by fax at 510 842-5966.

Sincerely,

Tammy L Hodge

CC: Mr. Robert Stahl
Stahl-Woolridge Investment Properties
2428 Central Ave, Alameda, CA 94501
Mr. Carl A Pendleton, Vise President
Bank O America, 50 California St. San Fran, 94137
Mr. Kent W.Peters, Asset Manager
Bank of America, 333 S.Beaudry Ave, 21st Flr.
Los Angeles, CA 90017
Ms. Bette Owen
Chevron Property Development
File # 9-0100

GETTLER-RYAN INC.

95 AUG 24 PM 1:37

July 21, 1995

Tammy Hodge
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Former Chevron Service Station #9-0100
2428 Central Avenue
Alameda, CA
Job #5178.80

Dear Ms. Hodge:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan, Inc. (G-R). On June 13, 1995, field personnel were on-site to gauge and sample three wells (MW-1 through MW-3) at Former Chevron Service Station #9-0100 located at 2428 Central Avenue in Alameda, California.

Static groundwater levels were measured on June 13, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Superior Precision Analytical, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic reports are attached. G-R is not responsible for laboratory omissions or errors.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Argy Leyton
Environmental Project Manager

Stephen J. Carter
Senior Geologist, R.G. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

AML/SJC/rjb
5178.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytic Results
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Reports

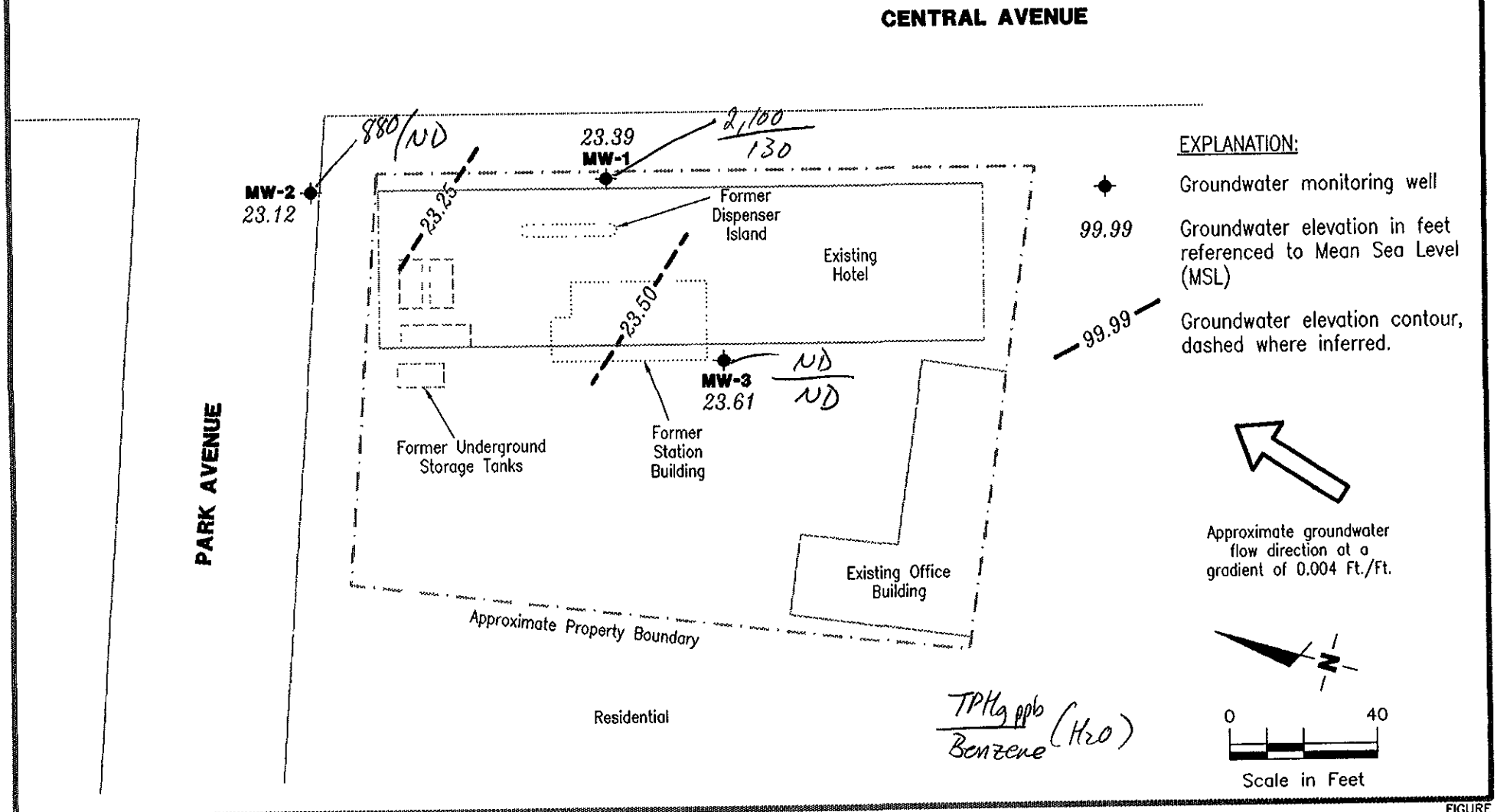

FIGURE 1

Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-0100
2428 Central Avenue
Alameda, California

JOB NUMBER 5178.85

REVIEWED BY

DATE June 13, 1995

REVISED DATE

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-0100, 2428 Central Avenue, Alameda, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
MW-1/ 29.23	3/10/94	6.79	22.44	0	8015/8020[1,2]	7,400	120	120	33	72
	6/21/94	7.74	21.49	0	8015/8020	5,300	140	60	21	43
	9/26/94	8.94	20.29	0	8015/8020	9,500	<250[5]	<250[5]	<250[5]	<250[5]
	12/16/94	6.57	22.66	0	8015/8020	4,700	<0.5	46	15	48
	3/22/95	5.16	24.07	0	8015/8020	8,800	55	14	11	<10
	6/13/95	5.84	23.39	0	8015/8020	2,100	130	29	9.5	15
MW-2/ 29.18	3/10/94	6.94	22.24	0	8015/8020[2,3]	6,400	<5	64	58	17
	6/21/94	7.89	21.29	0	8015/8020	1,800	23	12	6.9	32
	9/26/94	8.98	20.20	0	8015/8020	8,400	<100[5]	<100[5]	<100[5]	<100[5]
	12/16/94	6.65	22.53	0	8015/8020	2,300	<0.5	29	8.9	33
	3/22/95	5.15	24.03	0	8015/8020	1,500	0.6	4.5	<0.5	2.5
	6/13/95	6.06	23.12	0	8015/8020	880	<0.5	<0.5	2.2	10
MW-3/ 30.09	3/10/94	7.30	22.79	0	8015/8020[2,4]	<50	<0.5	<0.5	<0.5	<0.5
	6/21/94	8.53	21.56	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/26/94	9.80	20.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/16/94	7.11	22.98	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/22/95	5.54	24.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/13/95	6.48	23.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
Trip Blank TB-LB	3/10/94	---	---	---	8015/8020	<50	<0.5	0.7	<0.5	<0.5
	6/21/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/26/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/16/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/22/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/13/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-0100, 2428 Central Avenue, Alameda, California (continued)

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
EDB = Ethylene Dibromide
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

NOTES:

Water level elevation data and laboratory analytic results prior to March 22, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

* Product thickness was measured on and after June 21,1994 with a MMC Flexi-Dip interface probe.

1 TPH(D) was also analyzed and detected at 840 ppb. However, chromatogram does not match typical diesel pattern.
2 Organic lead and EDB were also analyzed but not detected at detection limts of 4 and 0.02 ppb, respectively.
3 TPH(D) was also analyzed and detected at 920 ppb. However, chromatogram does not match typical diesel pattern.
4 TPH(D) was also analyzed but not detected at detection limits of 50 ppb.
5 Detection limits raised due to the dilution required by a high amount of foaming in the sample.

STANDARD OPERATING PROCEDURE
QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss pevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytic laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory-supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Guadalupe Sanchez | DATE: 6-13-95

ADDRESS: 2428 Central Ave | JOB #: 5178.80

CITY: Alameda | SS#: 9-0100

Well ID: MW-1 | Well Condition: OK

Well Location Description: On the planter - Central Ave ≈ 10 Ft from sidewalk

Well Diameter: 2 in | Hydrocarbon Thickness: 0

Total Depth: 24.4 ft

Depth to Liquid: 5.84 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

# of casing Volume: 18.56 x 0.17 x(VF) 3.2 #Estimated purge Volume: 9.6 gal.

Purge Equipment: Stack Pump | Sampling Equipment: Disposable Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 1211 | Purging Flow Rate: 1.5 gpm.

Sampling Time: 1222

Time	pH	Conductivity	Temperature	Volume
1213	7.6	360	63.7	3.0 gal
1215	7.4	260	64.0	6.0 gal
1217	7.4	270	64.3	9.0
1222	7.3	290	65.0	10.0 ↓

Weather Conditions: Sunny

Water Color: clear | Odor: none

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-1	3x40ml	Y	HCl	Superior	Gas BTXE

Comments: * No bolts in the well lid.

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Guadalupe Sanchez | DATE: 6-13-95

ADDRESS: 2428 Central Ave | JOB #: 5178.80

CITY: Alameda | SS#: 9-0100

Well ID: MW-2 | Well Condition: OK

Well Location Description: Corner of Park + Central - near Main Bldg Entrance

Well Diameter: 2 in | Hydrocarbon Thickness: 0

Total Depth: 23.6 ft

Depth to Liquid: 6.06 ft

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38		
	4" = 0.66		

3 # of casing Volume: 17.54 x 0.17 x(VF) 3.0 #Estimated purge Volume: 9 gal.

Purge Equipment: Stack Pump | Sampling Equipment: Disposable Bailer

Did well dewater: No | If yes, Time: ___ | Volume: ___

Starting Time: 1145 | Purging Flow Rate: 1.5 gpm.

Sampling Time: 1156

Time	pH	Conductivity	Temperature	Volume
1147	6.9	870	66.5	3.0 gal
1149	6.9	540	66.2	6.0 gal
1151	6.9	490	66.2	9.0 gal
1156	6.9	490	66.4	10.0 gal

Weather Conditions: sunny

Water Color: clear | Odor: none

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-2	3x40ml	Y	HCl	Superior	Gas BTXE

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Guadalupe Sanchez | DATE: 6-13-95

ADDRESS: 2428 Central Ave | JOB #: 5178.80

CITY: Alameda | SS#: 9-0100

Well ID: MW-3 | Well Condition: OK

Well Location Description: next to the Building on 2nd parking space SW

Well Diameter: 2 in | Hydrocarbon Thickness: 0

Total Depth: 24.2 ft

Depth to Liquid: 6.48 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

3 # of casing Volume: 17.72 x 0.17 x(VF) 3.0 #Estimated purge Volume: 9 gal.

Purge Equipment: Stack Pump | Sampling Equipment: Disposable Bailer

Did well dewater: NO | If yes, Time: ___ | Volume: ___

Starting Time: 1118 | Purging Flow Rate: 1.5 gpm.

Sampling Time: 1130

Time	pH	Conductivity	Temperature	Volume
1120	7.3	450	65.5	3.0 gal
1122	7.0	460	65.1	6.0 gal
1124	6.9	470	65.1	9.0 gal
1130	7.1	440	65.4	10.0 gal

Weather Conditions: sunny

Water Color: clear | Odor: none

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-3	3x40ml	Y	HCl	Superior	Gas BTXE

Comments: ___

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 81906

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-0100
Facility Address: 2428 Central Ave. Alameda
Consultant Project Number: 5178.80
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Argy Leyton
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Mark Miller
(Phone): 842-8134
Laboratory Name: Superior
Laboratory Release Number: 2719110
Samples Collected by (Name): Guadalupe Sanchez
Collection Date: 6-13-95
Signature: [signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
TB-LB		2	W	G		HCl	Y	↓												Analyze in order
MW-3		3	↓	↓	1130	↓	↓	↓												↓
MW-2		↓	↓	↓	1156	↓	↓	↓												↓
MW-1		↓	↓	↓	1222	↓	↓	↓												↓

DO NOT BILL TB-LB ANALYSIS

Please Initial: G
Samples Stored in Ice: yes Cold Hand delivered

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G/R	6-14-95	[signature]	O/R	6-14-95 11:30
[signature]	O/R	6-14-95 13:20			
			Received For Laboratory By (Signature): [signature] 6/14/95		13:20

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted (circled) 6/14/95

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
6747 SIERRA CT, SUITE G
DUBLIN, CA 94568

Attn: ARGY LEYTON

Date: June 21, 1995

Laboratory Number : 81906

Project Number/Name : 5178.80

This report has been reviewed and

approved for release.

cAHom for

Senior Chemist
Account Manager

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553

1555 Burke St., Unit I
San Francisco, California 94124

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5178.80
Reported on June 21, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 81906

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TB-LB	06/13/95	06/14/95	06/16/95	06/16/95	BF161.04	01
MW-3	06/13/95	06/14/95	06/16/95	06/16/95	BF161.04	02
MW-2	06/13/95	06/14/95	06/19/95	06/19/95	BF191.04	03
MW-1	06/13/95	06/14/95	06/16/95	06/16/95	BF161.04	04

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BF161.04-01	Method Blank	MB		Water	06/16/95	06/16/95
BF161.04-02	MRB-4	MS	81870-01	Water	06/16/95	06/16/95
BF161.04-03	MRB-4	MSD	81870-01	Water	06/16/95	06/16/95
BF191.04-01	Method Blank	MB		Water	06/19/95	06/19/95
BF191.04-02	MW-1	MS	81902-07	Water	06/19/95	06/19/95
BF191.04-03	MW-1	MSD	81902-07	Water	06/19/95	06/19/95

Certified Laboratories

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GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5178.80
Reported on June 21, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
81906-01	TB-LB	Water	1.0	-
81906-02	MW-3	Water	1.0	-
81906-03	MW-2	Water	1.0	-
81906-04	MW-1	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	81906-01 Conc. ug/L	RL	81906-02 Conc. ug/L	RL	81906-03 Conc. ug/L	RL	81906-04 Conc. ug/L	RL
Gasoline_Range	ND	50	ND	50	880	50	2100	50
Benzene	ND	0.5	ND	0.5	ND	0.5	130	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	29	0.5
Ethyl Benzene	ND	0.5	ND	0.5	2.2	0.5	9.5	0.5
Total Xylenes	ND	0.5	ND	0.5	10	0.5	15	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	106		101		177		513	

Certified Laboratories

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81906
Method Blank(s)

	BF161.04-01		BF191.04-01	
	Conc. ug/L	RL	Conc. ug/L	RL
Gasoline_Range	ND	50	ND	50
Benzene	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Trifluorotoluene (SS)	102		102	

Certified Laboratories

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81906

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
BF161.04 02 / 03 - Sample Spiked: 81870 - 01						
Gasoline_Range	ND	320	380/370	119/116	65-135	3
Benzene	ND	20	21/22	105/110	65-135	5
Toluene	ND	20	21/22	105/110	65-135	5
Ethyl Benzene	ND	20	21/22	105/110	65-135	5
Total Xylenes	ND	60	61/63	102/105	65-135	3
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				101/102	50-150	
For Water Matrix (ug/L)						
BF191.04 02 / 03 - Sample Spiked: 81902 - 07						
Gasoline_Range	ND	320	340/360	106/113	65-135	6
Benzene	ND	20	21/22	105/110	65-135	5
Toluene	ND	20	21/21	105/105	65-135	0
Ethyl Benzene	ND	20	21/21	105/105	65-135	0
Total Xylenes	ND	60	63/63	105/105	65-135	0
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				105/106	50-150	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Certified Laboratories

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