



Chevron U.S.A. Products Company

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

October 28, 1992

Ms. Susan Hugo
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re : Chevron Service Station No. 9-1740
6550 Moraga Avenue, Oakland, CA 94611

Dear Ms. Hugo :

Chevron requested Alton Geoscience to sample monitoring well C-1 at the above referenced site prior to it being abandoned on September 15, 1992. The results are documented in the enclosed Alton Geoscience letter dated October 20, 1992. Briefly, the results show 82 ppb gasoline, 16 ppb benzene, and nondetectable levels of toluene, ethylbenzene, xylenes, diesel, and oil & grease.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

A handwritten signature in black ink, appearing to read "Kenneth Kan", written in a cursive style.

Kenneth Kan
Engineer

LKAN/MacFile 9-1740R6

Enclosure

cc : Mr. Eddy So
RWQCB-S.F. Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Steve Willer
Chevron U.S.A. Products Co.



OCT 27 '92 JST

October 20, 1992

Mr. Kenneth Kan
Chevron USA Products Company
Post Office Box 5004
San Ramon, California 94583

31-0665

Subject: Confirmation of Completion
of Water Sampling
Chevron Service Station No. 91740
6550 Moraga Avenue
Oakland, California

Dear Kenneth Kan:

Alton Geoscience is pleased to report the completion of ground water monitoring and sampling at Chevron Service Station No. 91740, located at 6550 Moraga Avenue, Oakland, California.

On September 15, 1992, Alton Geoscience conducted ground water monitoring and sampling of monitoring well C-1. The sampling was completed in accordance with the Alameda County Water District, and the California Regional Water Quality Control Board, San Francisco Region (RWQCB). (See attached for ground water analytical report)

Please call if you have any questions.

Sincerely,

ALTON GEOSCIENCE

A handwritten signature in black ink, appearing to read 'Todd B. Pearson', is written over a horizontal line.

Todd B. Pearson
Project Coordinator

wp91740tp



Alton Geoscience
Attn: TODD PEARSON

Project 31-0665
Reported 09/24/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
86722- 1	TB-LB	09/15/92	09/21/92 Water
86722- 2	RINS	09/15/92	09/21/92 Water
86722- 3	C-1	09/15/92	09/22/92 Water

RESULTS OF ANALYSIS

Laboratory Number: 86722- 1 86722- 2 86722- 3

Gasoline:	ND<50	ND<50	82
Benzene:	ND<0.5	ND<0.5	16
Toluene:	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5
Xylenes:	ND<0.5	ND<0.5	ND<0.5
Oil and Grease:	NA	NA	ND<5000
Diesel:	NA	NA	ND<50
Concentration:	ug/L	ug/L	ug/L



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

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 86722

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

Table with 5 columns: ANALYTE, SPIKE LEVEL, MS/MSD RECOVERY, RPD, CONTROL LIMIT. Rows include Gasoline, Benzene, Toluene, Ethyl Benzene, Xylenes, Oil and Grease, Diesel.

Richard Srna Ph.D.
Laboratory Director



Alton Geoscience
Attn: TODD PEARSON

Project 31-0665
Reported 24-September-1992

EPA METHOD 8010

Sample preparation by Purge and Trap (EPA SW-846 Method 5030) and Chromatographic analysis using an electrolytic conductivity detector (EPA SW-846 Method 8010).

Chronology

Laboratory Number 86722

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
C-1	09/15/92	09/15/92	/ /	09/19/92		3



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Alton Geoscience
Attn: TODD PEARSON

Project 31-0665
Reported 24-September-1992

EPA METHOD 8010

Laboratory Number	Sample Identification	Matrix
86722- 3	C-1	Water

RESULTS OF ANALYSIS

Laboratory Number: 86722- 3

Chloromethane:	ND<0.5
Vinyl Chloride:	ND<0.5
Bromomethane:	ND<0.5
Chloroethane:	ND<0.5
Trichlorofluoromethane:	ND<0.5
1,1-Dichloroethene:	ND<0.5
Dichloromethane:	ND<0.5
c-1,2-Dichloroethene:	ND<0.5
1,1-Dichloroethane:	9.3
t-1,2-Dichloroethene:	ND<0.5
Chloroform:	ND<0.5
1,1,1-Trichloroethane:	ND<0.5
Carbon tetrachloride:	ND<0.5
1,2-Dichloroethane:	ND<0.5
Trichloroethene:	ND<0.5
1,2-Dichloropropane:	ND<0.5
Bromodichloromethane:	ND<0.5
c-1,3-Dichloropropene:	ND<0.5
t-1,3-Dichloropropene:	ND<0.5
1,1,2-Trichloroethane:	ND<0.5
Tetrachloroethene:	ND<0.5
Dibromochloromethane:	ND<0.5
Chlorobenzene:	ND<0.5
Bromoform:	ND<0.5
1,1,2,2-Tetracl-ethane:	ND<0.5
1,3-Dichlorobenzene:	ND<0.5
1,4-Dichlorobenzene:	ND<0.5
1,2-Dichlorobenzene:	ND<0.5

Concentration: ug/L



Superior Precision Analytical, Inc.

SEP 29 1992

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

EPA METHOD 8010 Quality Assurance and Control Data - Water Laboratory Number 86722

Compound	Method		Average Spike Recovery (%)	Limits (%)	RPD (%)	Spike Level (ug/L)
	Blank (ug/L)	PQL (ug/L)				
Chloromethane:	ND<0.5	0.5				
Vinyl Chloride:	ND<0.5	0.5				
Bromomethane:	ND<0.5	0.5				
Chloroethane:	ND<0.5	0.5				
Trichlorofluoromethane:	ND<0.5	0.5				
1,1-Dichloroethene:	ND<0.5	0.5	96%		16%	20
Dichloromethane:	ND<0.5	0.5				
c-1,2-Dichloroethene:	ND<0.5	0.5				
t-1,2-Dichloroethene:	ND<0.5	0.5				
Chloroform:	ND<0.5	0.5				
1,1,1-Trichloroethane:	ND<0.5	0.5				
Carbon tetrachloride:	ND<0.5	0.5				
1,2-Dichloroethane:	ND<0.5	0.5				
Trichloroethene:	ND<0.5	0.5	88%		1%	20
1,2-Dichloropropane:	ND<0.5	0.5				
Bromodichloromethane:	ND<0.5	0.5				
c-1,3-Dichloropropene:	ND<0.5	0.5				
t-1,3-Dichloropropene:	ND<0.5	0.5				
1,1,2-Trichloroethane:	ND<0.5	0.5				
Tetrachloroethene:	ND<0.5	0.5				
Dibromochloromethane:	ND<0.5	0.5				
Chlorobenzene:	ND<0.5	0.5	91%		15%	20
Bromoform:	ND<0.5	0.5				
1,1,2,2-Tetracl-ethane:	ND<0.5	0.5				
1,3-Dichlorobenzene:	ND<0.5	0.5				
1,4-Dichlorobenzene:	ND<0.5	0.5				
1,2-Dichlorobenzene:	ND<0.5	0.5				
Spike Average Recovery:			80-120%			

Definitions :

ND = None Detected
PQL = Practical Quantitation Limits

QC File No. = 86722

RPD = Relative Percent Recovery

Senior Chemist

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

Chevron Facility Number _____
Facility Address 6550 Moraga Ave, Oakland
Consultant Project Number 31-0665
Consultant Name ALTON GEOSCIENCE
Address 5870 Stoneridge Dr, #6, Pleasanton
Project Contact (Name) Todd Pearson
(Phone) (510)734-8134 (Fax Number) (510)734-8420

Chevron Contact (Name) Ken Kan
(Phone) (510) 842-9500
Laboratory Name Superior Analytical
Laboratory Release Number 8077401
Samples Collected by (Name) Jon Vail
Collection Date 9-15-92
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										Remarks	
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Greases (8620)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	SEP	2		9
TB-LB		1	W	G	0545	HCl	Y	X											Do Not Bill Chevron For TB-LB Analyze ↓
RINS		2	W	G	0750	HCl	Y	X											
C-1		6	W	G	0758	HCl	Y	X	X	X	X								

Please initial:
 Samples Stored in ice _____
 Appropriate containers _____
 Samples preserved _____
 VOA's without hoodspace _____
 Comments: _____

Relinquished By (Signature) _____	Organization <u>ALTON</u>	Date/Time <u>9/15/92</u>	Received By (Signature) _____	Organization _____	Date/Time _____	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <u>10 Days</u> As Contracted
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received By (Signature) _____	Organization _____	Date/Time _____	
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) _____	Organization _____	Date/Time _____	