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

Marketing Department

October 9, 1991

Mr. Richard Mueller
Fire Marshall
Pleasanton Fire Department
P.O. Box 520
Pleasanton, CA 94566-0802

Re: Chevron Service Station #9-0917
5280 Hopyard Road, Pleasanton

Dear Mr. Mueller:

Enclosed we are forwarding the Tank Removal and Replacement Report dated August 2, 1991, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. This report documents the verification sampling performed during the removal of all subsurface improvements and subsequent soils remediation activities. The soils remediation activity consisted of excavating the impacted soils encountered in the areas of the former piping trenches and to assess the magnitude and extent of the subsurface contamination.

As indicated in the report, on June 7, 1991, all underground storage tanks and associated piping were removed. The samples collected beneath the underground product tanks and associated piping trenches were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), BTEX and total petroleum hydrocarbons as diesel (TPH-D). TPH-G was detected at concentrations ranging from non-detectable (ND) to 70 ppm from within the tank excavation and non-detectable to 1800 ppm from within the piping trenches. Additional excavating was performed in these areas to remove these elevated levels. Final excavation samples collected reported ND to negligible concentrations of TPH-G with the exception of one sample collected beneath the former pump island closest to Hopyard Road which detected TPH-G at a concentration of 440 ppm. This sample was collected at the capillary fringe area approximately 14-feet below grade. Excavation was limited vertically to the extent of groundwater.

Samples collected beneath the former waste oil tank were analyzed for TPH-G, TPH-D, total oil & grease (TOG) and purgeable halogenated volatile organics. Negligible concentrations of TPH-G and BTEX were detected. All other constituents reported ND results.

Soils generated from the former waste oil tank and impacted excavations were disposed of at an approved Class III disposal facility.

Based on these findings it appears that no unacceptable levels of hydrocarbon contamination exists beneath the site and that no further soils remediation work is warranted at this time. Chevron has replaced the monitor wells that were abandoned to allow for the construction and has reinitiated a quarterly groundwater monitoring program at this site. An evaluation of the current groundwater data will be conducted and appropriate next actions recommended.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

Very truly yours,
CHEVRON U.S.A. INC.

Nancy Vukelich
Environmental Engineer

cc: Mr. Eddie So, RWQCB-Bay Area
Mr. W.T. Scudder
File (9-0917A1)

BLAINE
TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

August 2, 1991

Chevron USA, Inc.
2410 Camino Ramon
San Ramon, CA 94583

Attn: Nancy Vukelich

SITE:
Chevron Service Station No. **90917**
5280 Hopyard Road
Pleasanton, California

PROJECT:
Tank removal and replacement
with new double containment
underground storage tanks

MULTIPLE EVENT SAMPLING REPORT 910614-Z-1

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in the interpretation of analytical results or engage in the marketing or installation of remedial systems.

This report covers the environmental sampling performed by our personnel during two different sampling events that were completed during the tank removal project at the site. The report presents each of these sampling events in chronological order, and contains descriptive text, diagrams, and a (fold out) comprehensive table of sampling locations and analytical results. The chain of custody records and certified analytical reports are presented as supporting documents in an appendix following the close of the report.

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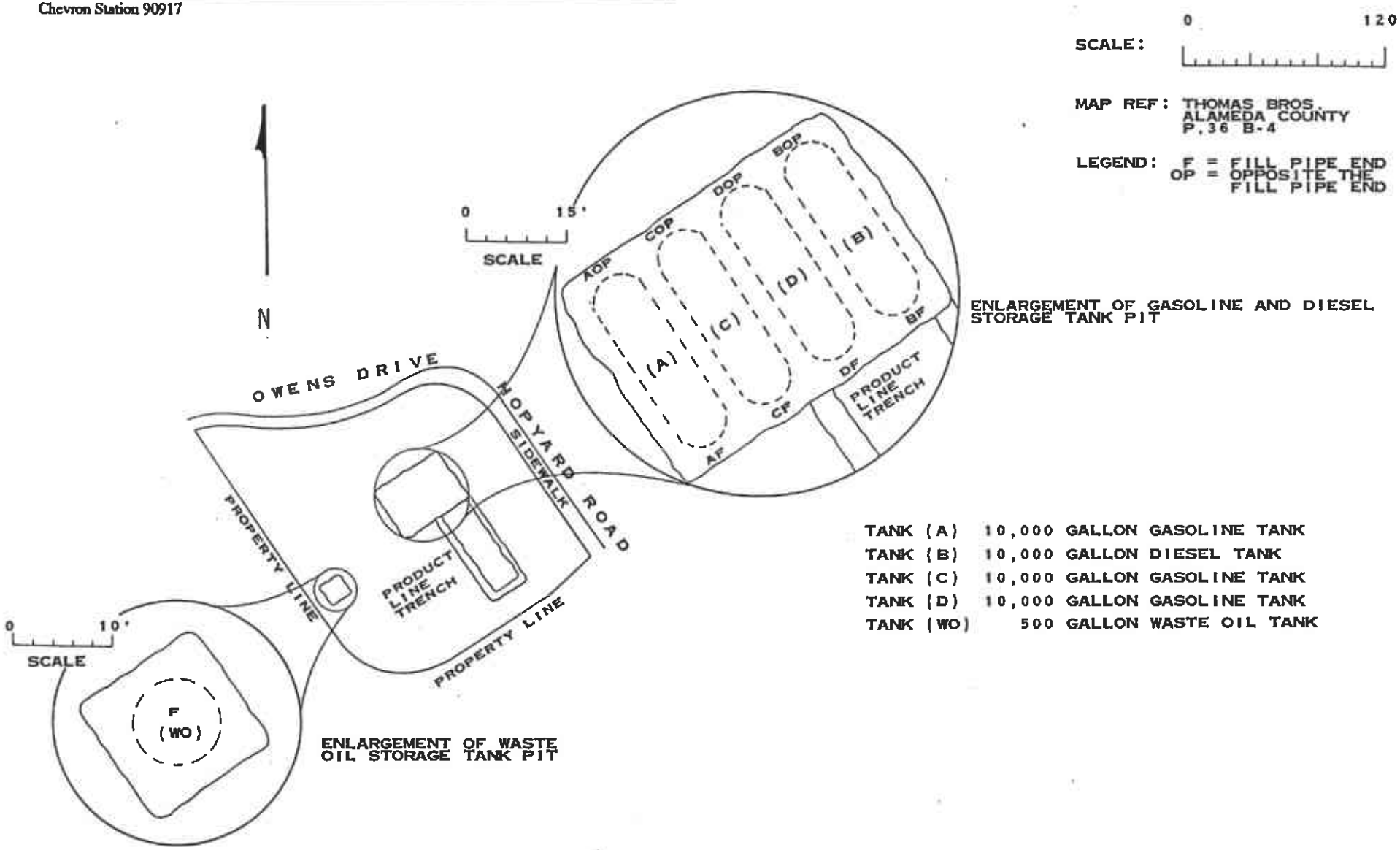
MASTER SITE DIAGRAM

Chevron Station 90917



TANK REMOVAL SAMPLING

June 7, 1991 / 910607-Z-1

SCOPE OF REQUESTED SERVICES

In accordance with your request, our office was asked to provide field personnel who would be sent to the site for the specific purpose of obtaining environmental samples following the removal of three gasoline tanks, one diesel tank and one waste oil tank.

Our personnel would collect the samples, arrange for the requested analyses of the samples and maintain adequate documentation for the issuance of a formal Sampling Report. The collection of environmental samples was to be performed in accordance with the requirements of the State Water Resources Control Board, Regional Water Quality Control Board, and the specific directions of the Local Implementing Agency (LIA) inspector.

It was noted the subject site was located within the overall jurisdiction of the Regional Water Quality Control Board -- San Francisco Bay Region. In this part of the RWQCB region, the initial inspection and evaluation of a site is customarily conducted by the local implementing agency: the Pleasanton Fire Department.

EXECUTION OF THE WORK PERFORMED ON JUNE 7, 1991

Personnel were dispatched from our office and arrived at the subject site on Friday, June 7, 1991.

The LIA was represented by Mr. Rick Mueller of the Pleasanton Fire Department, who was present to observe and direct the tank removal and sampling.

Chevron USA, Inc. was represented by Ms. Nancy Vukelich, Environmental Engineer and Mr. Pete Jaharis.

A cursory inspection of the tanks was undertaken as they were removed from the subsurface and loaded onto a truck for transport. All of tanks removed were in good condition. They had been underground for approximately ten years.

TANK I.D.	SIZE IN GALLONS	TANK CONTENT	MATERIAL OF CONSTRUCTION	INSPECTION FOUND
A	10,000	GASOLINE	FIBERGLASS	NO HOLES
B	10,000	DIESEL	FIBERGLASS	NO HOLES
C	10,000	GASOLINE	FIBERGLASS	NO HOLES
D	10,000	GASOLINE	FIBERGLASS	NO HOLES
WO	500	WASTE OIL	STEEL	NO HOLES

Water was found standing at the bottom of the main tank pit. As is usually done when water is present, capillary zone samples were taken from the sidewalls of the tank pit. It was decided that a sample of the standing water would be taken after it had been pumped out and allowed to recharge. According to Ms. Vukelich, three groundwater monitoring wells located on site for the last three years have shown no signs of contamination.

Ten capillary zone samples were taken from the tank pit. Eight of the capillary samples were taken from the sidewalls at points corresponding to both ends of each underground storage tank. A standard RWQCB interface sample was taken at a point corresponding to the middle of Tank WO. Samples were also obtained of the stockpiled soil generated during the excavation of main tank pit and the waste oil tank pit. The product line area was excavated. Samples were taken of the soil underlying the product line that conducted fuel from the underground storage tanks to the dispenser pumps. In addition, samples were taken of the stockpiled soil generated during the excavation of the product line trench. The sampling was performed in accordance with the direction of the LIA representative, Mr. Mueller. In the paragraphs that follow, the samples are described in the order in which they were collected:

Sample #1 was a capillary zone sample taken at the fill pipe end of Tank B and from the northeast sidewall of the main tank pit. The sample was collected at a depth of eight and a half feet (8.5') below grade.

Sample #2 was a capillary zone sample taken from the southwest sidewall of the main tank pit at the middle of Tank A. This sample was collected at a depth of nine feet (9.0') below grade.

Samples #3-#6 were taken along the southeast sidewall of the main tank pit corresponding to the fill pipe ends of the Tanks A, B, C and D.

Sample #3 was taken from the fill pipe end of Tank B at a depth of eight and a half feet (8.5') below grade.

Sample #4 was taken from the fill pipe end of Tank D at a depth of nine feet (9.0') below grade.

Sample #5 was taken from the fill pipe end of Tank C at a depth of nine feet (9.0') below grade.

Sample #6 was taken from the fill pipe end of Tank A at a depth of eight and a half feet (8.5') below grade.

Samples #7-#10 were taken along the northwest wall of the main tank pit corresponding to the end of tanks opposite the fill pipe.

Sample #7 was taken from the end of Tank D opposite the fill pipe at a depth of ten feet (10.0') below grade.

Sample #8 was taken from the end of Tank C opposite the fill pipe at a depth of nine and a half feet (9.5') below grade.

Sample #9 was taken from the end of Tank A opposite the fill pipe at a depth of nine feet (9.0') below grade.

Sample #10 was taken from the end of Tank B opposite the fill pipe at a depth of ten feet (10.0') below grade.

The stockpiled soil associated with the excavation and removal of the diesel tank was stacked southeast of the main tank pit. This stockpile was estimated to contain approximately 90 cubic yards of soil. All other material removed from the pit consisted of gravel. To facilitate sample collection, the stockpile was divided into two sections (#11, #12). Within each section, four sample collection points were selected. The sample collection points were arbitrarily chosen in a random pattern intended to represent as much of the total soil volume as possible.

One sample container of soil was collected at each of the individual sample collection points after clearing away the upper twelve inches (12") of surface material. The sample container (a new brass sample liner) was then forced into the newly exposed soil. After being properly sealed and labeled, the four sample containers from each section were packaged together and stored in an ice chest for transport to the laboratory. Each set of samples were submitted with instructions that they should be composited into one sample prior to analyses.

Samples #11A-D and #12A-D were the four part composite samples taken from the stockpiled soil generated during the removal of the diesel tank in the main tank pit.

Sample #13 was a discrete stockpile sample taken from approximately 3 cubic yards of stockpiled soil generated during the removal of the waste oil tank. This sample container was also collected after clearing away the upper twelve inches (12") of surface material.

The bottom of the product line trench was approximately two feet (2.0') below grade. Samples of soil underlying the product lines were taken at approximate intervals of twenty feet and at ninety degree bends in the lines.

Dispenser samples #14-27

At the southeast corner of the trench, two samples were collected of the soil underlying a ninety degree bend in the product lines. The first sample taken from the bottom of the trench at a depth of two feet (2.0') below grade showed visible signs of contamination and emitted an odor. Following the removal of additional soil, a deeper sample was taken at a depth of eight feet (8.0') below grade. At this depth, an odor was not noted. The samples were designated #14 and #15, respectively.

Sample #16 was taken of the soil underlying a ninety degree bend in the line at the south corner of the trench. This sample was collected at a depth of seven and a half (7.5') below grade. The sample did not emit an odor.

Sample #17 was taken of the soil underlying the product lines approximately eighteen feet northwest of sample #16. This sample was taken at a depth of three feet (3.0') below grade and emitted an odor. Following the removal of additional soil, a deeper sample (#18) was taken at this location.

Sample #18 was taken of the soil underlying the product lines at the same location as sample #17 but at a depth of seven feet (7.0') below grade. This sample did not emit an odor.

Sample #19 was taken of the soil underlying the product lines approximately twenty feet northwest of samples #17 and #18. The sample was taken at a depth of three feet (3.0') below grade and emitted an odor. Following the removal of additional soil, a deeper sample (#20) was taken at this location.

Sample #20 was taken of the soil underlying the product lines at the same location as sample #19 but at a depth of six feet (6.0') below grade. At this depth, the soil still emitted a slight odor and discoloration in the soil was visible in the sidewall east of sample #20. The discolored soil was removed from the sidewall of the trench and laterally extended two feet northeast of sample #20 and vertically extended to a depth of nine feet below grade.

Sample #21 was taken from the extended area at a depth of nine feet (9.0') below grade.

Sample #22 was taken a few feet northwest of samples #19 and #20. The sample was taken at a depth of three feet (3.0') below grade and emitted an odor. Following the removal of additional soil, a deeper sample (#23) was taken at this location.

Sample #23 was taken of the soil underlying the product lines at the same location as sample #22 but at a depth of six feet (6.0') below grade. This sample did not emit an odor.

Sample #24 was taken of the soil underlying the product lines from the northeast section of the trench approximately twenty-five feet northwest of samples #14 and #15. The sample was taken at a depth of three feet (3.0') below grade and emitted an odor. Following the removal of additional soil, a deeper sample (#25) was taken at this location.

Sample #25 was taken of the soil underlying the product lines at the same location as sample #24 but at a depth of seven feet (7.0') below grade. This sample did not emit an odor.

Sample #26 was taken of soil underlying the product lines approximately twenty feet northwest of samples #24 and #25. The sample was taken at a depth of three feet (3.0') below grade and emitted an odor. Following the removal of additional soil, a deeper sample (#27) was taken at this location.

Sample #27 was taken of the soil underlying the product lines at the same location as sample #26 but at a depth of ten feet (10.0') below grade. The sample did not emit an odor.

Sample #28 was a standard interface sample taken at the middle of Tank WO at a depth of nine feet (9.0') below grade.

The stockpiled soil generated during the excavation of the product line trench was divided into two piles. The larger pile was stacked in between the east and west section of the product line trench. This stockpile contained soil generated during the initial excavation and during the subsequent sample collection. The smaller pile was stacked directly south of the product line trench. This stockpile contained soil generated during the initial excavation only. The entire amount of stockpiled soil were estimated to contain approximately 70 cubic yards of soil.

To facilitate sample collection, the larger pile was divided into two sections. Within the north section, four sample collection points were selected. A sample container of soil was then collected at each of the four sample collection points after clearing away the upper twelve inches (12") of surface material. The sample containers were submitted to the laboratory with instructions that they should be composited into one sample (#29A-D) prior to analysis.

> Sample #29A-D was the four part composite sample taken from north section of the stockpiled soil generated during the excavation of the product line trench.

Within the south section of the larger pile, two sample collection points were selected. A sample container of soil was also collected at these sample points after clearing away the upper twelve inches (12") of surface material.

Within the smaller pile, two sample collection points were also selected. Once again, a sample container of soil was collected at each of the individual sample collection points after clearing away the upper twelve inches (12") of surface material.

The sample containers taken from the south section of the larger pile and from the smaller pile were submitted to the laboratory with instructions that they should be composited into one sample (#30A-D) prior to analysis.

> Sample #30A-D was the four part composite sample taken from the smaller pile and from the south section of the larger pile which were generated during the excavation of the product line trench.

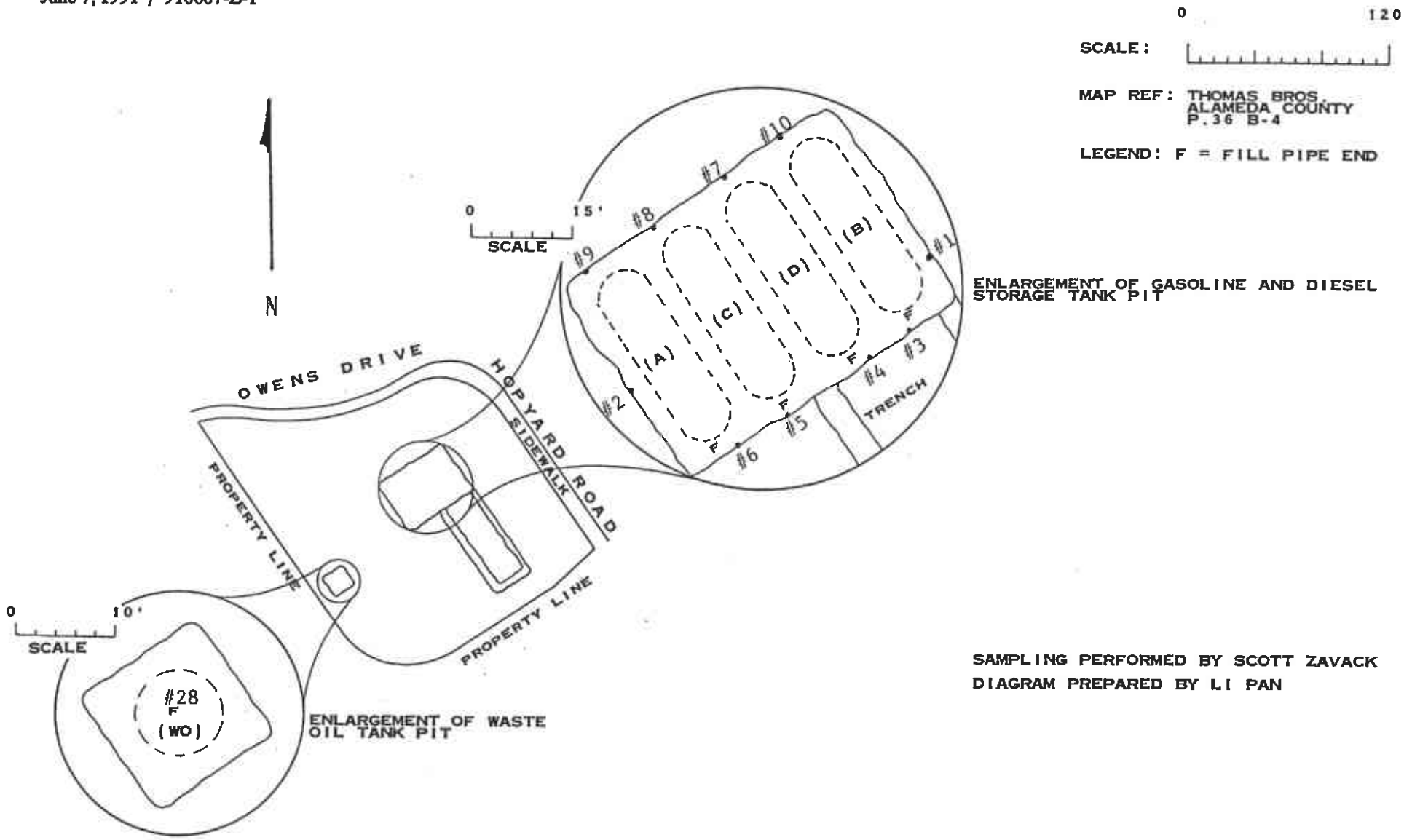
The sampling activity was completed late in the day and after the laboratory the samples were eventually delivered to had closed. Following completion of the field work, the sample containers were transported to and stored in a freezer at the office of Blaine Tech Services, Inc. in San Jose. The samples were stored there until Monday morning when they were delivered to Clayton Environmental Consultants, Inc. Laboratory in Pleasanton, California. Clayton Environmental Consultants, Inc. Laboratory is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #163.

It was requested that the analytical procedures used for these analyses be those specified by the Regional Water Quality Control Board -- San Francisco Bay Region. The methods are defined in attachments to the San Francisco RWQCB (Region 2) publication, Guidelines For Addressing Fuel Leaks and in documents issued to clarify the Board's interpretation of the California LUFT Manual.

TANK REMOVAL DIAGRAM

June 7, 1991 / 910607-Z-1

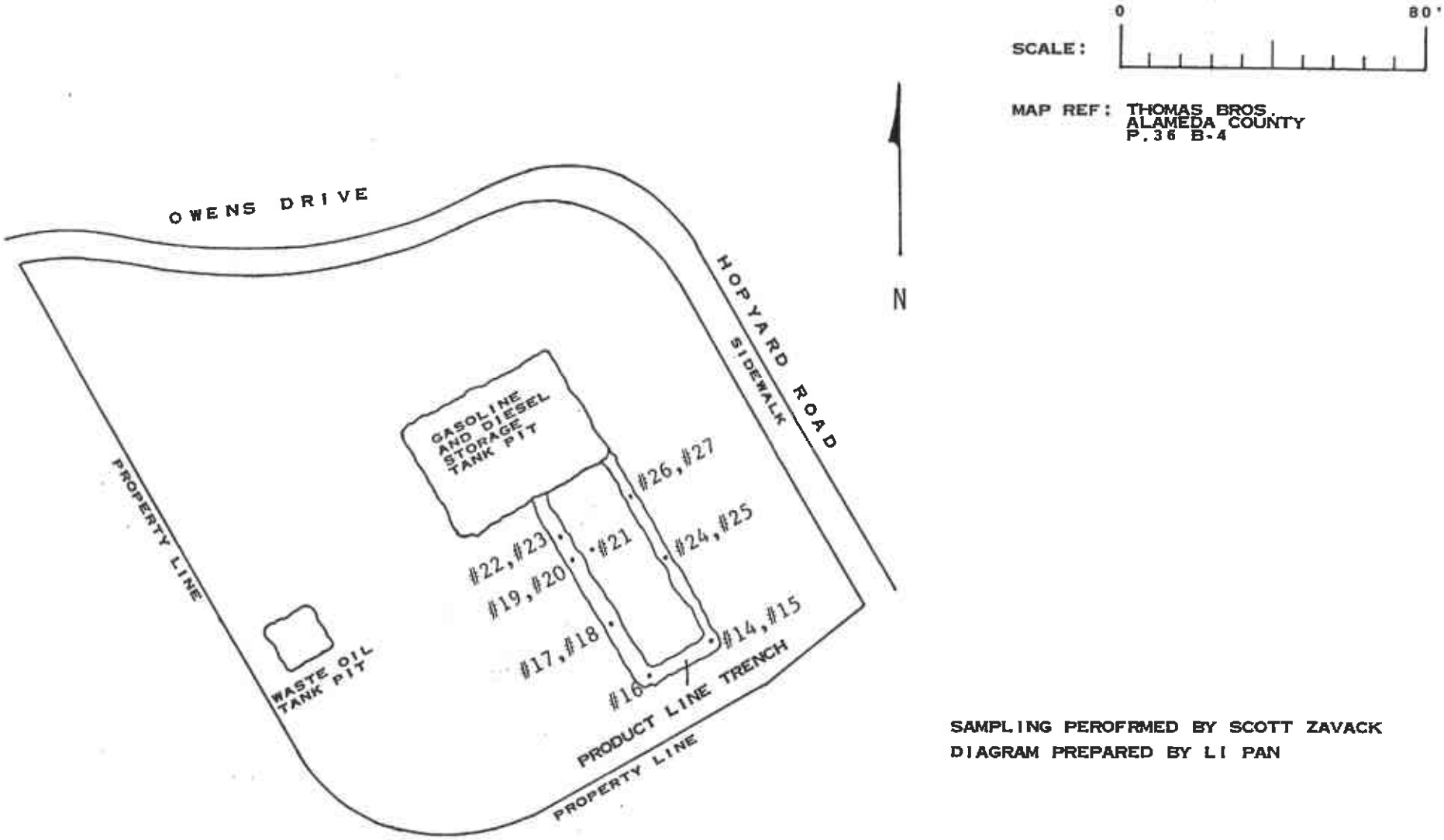
DIAGRAM ONE



TANK REMOVAL DIAGRAM

June 7, 1991 / 910607-Z-1

DIAGRAM TWO

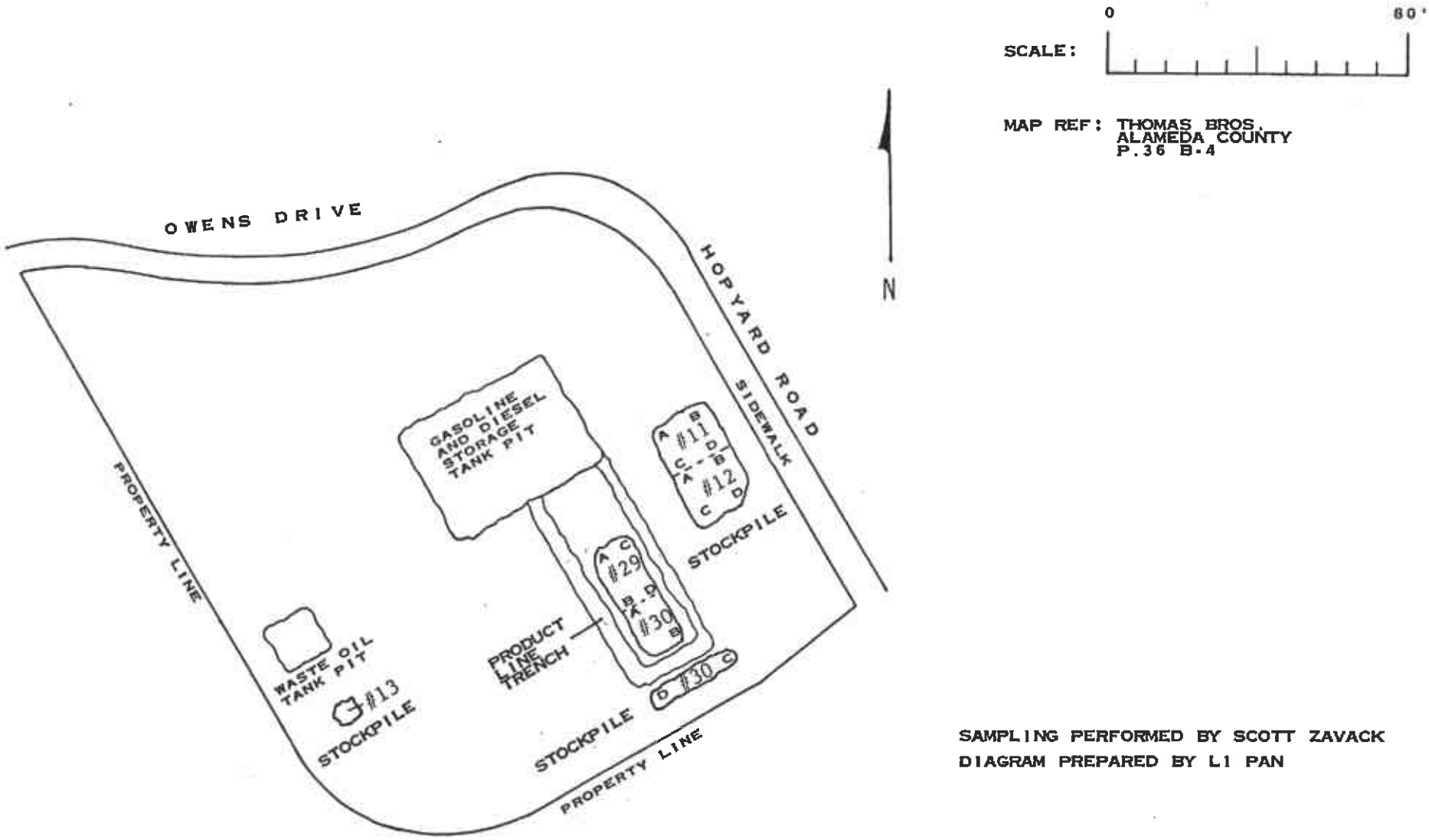


SAMPLING PEROFRMED BY SCOTT ZAVACK
DIAGRAM PREPARED BY LI PAN

TANK REMOVAL DIAGRAM

June 7, 1991 / 910607-Z-1

DIAGRAM THREE



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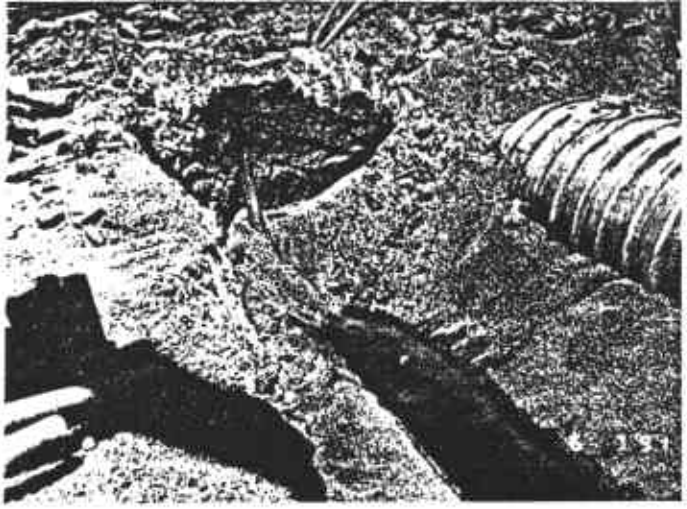

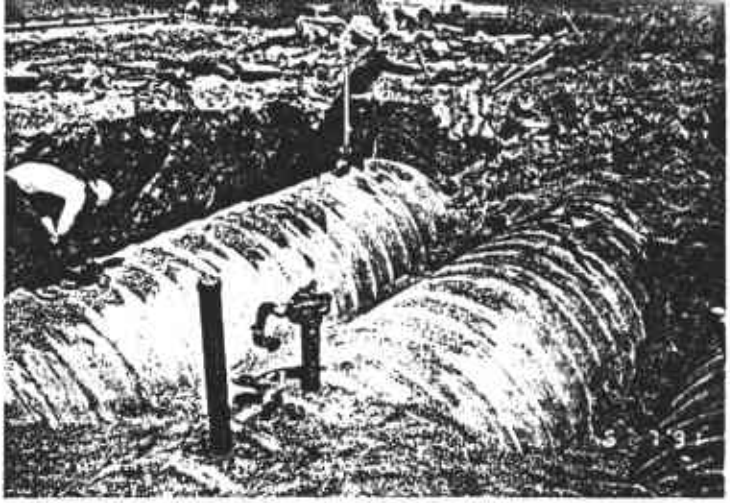

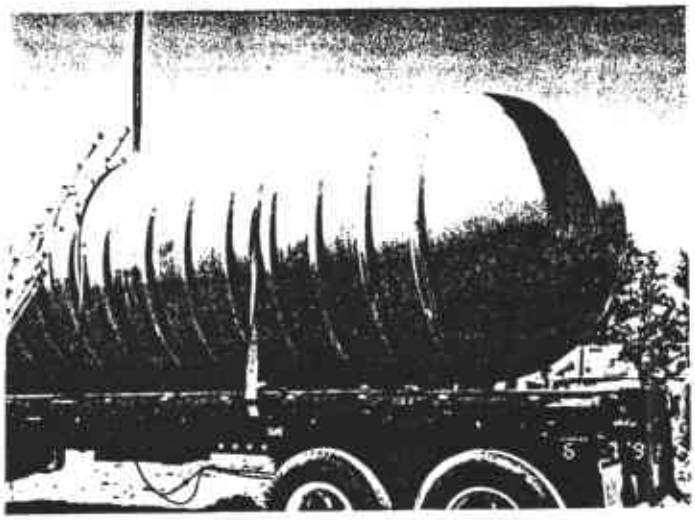

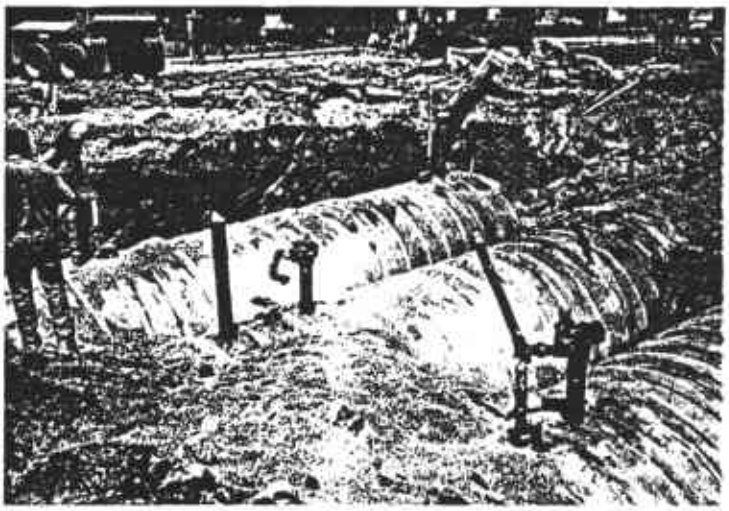

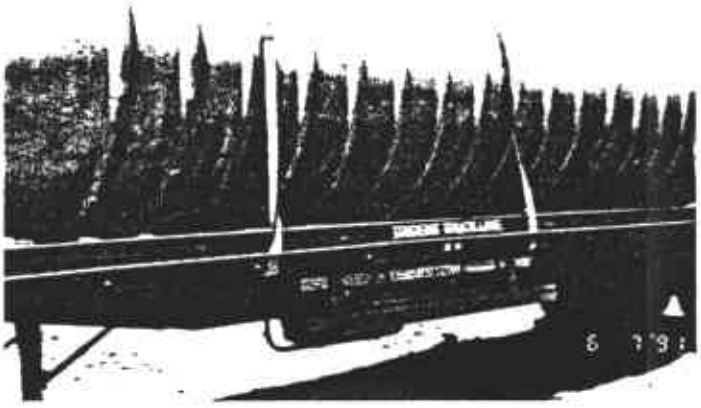

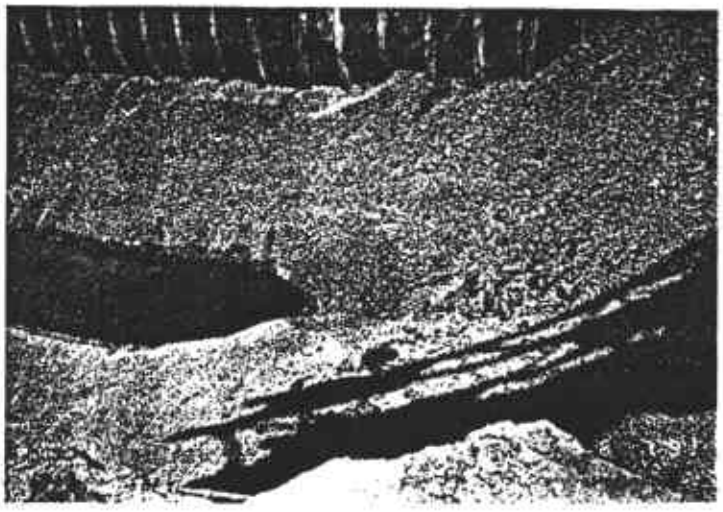

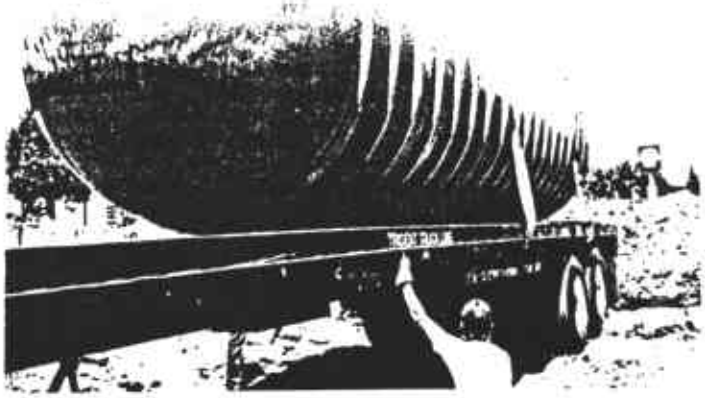

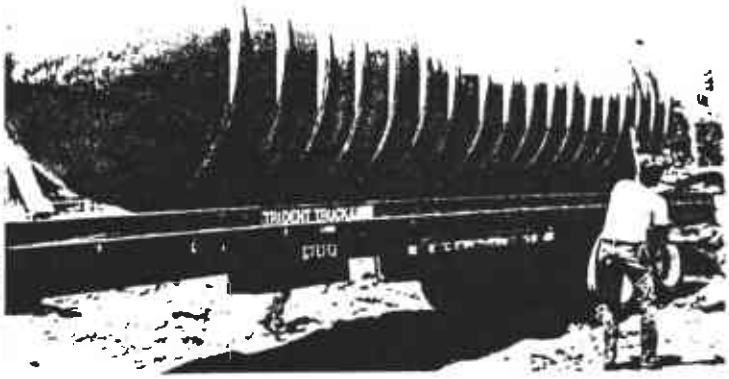

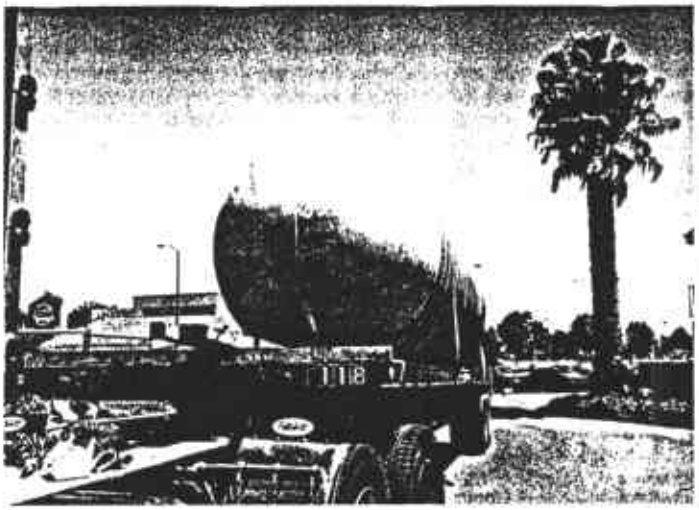

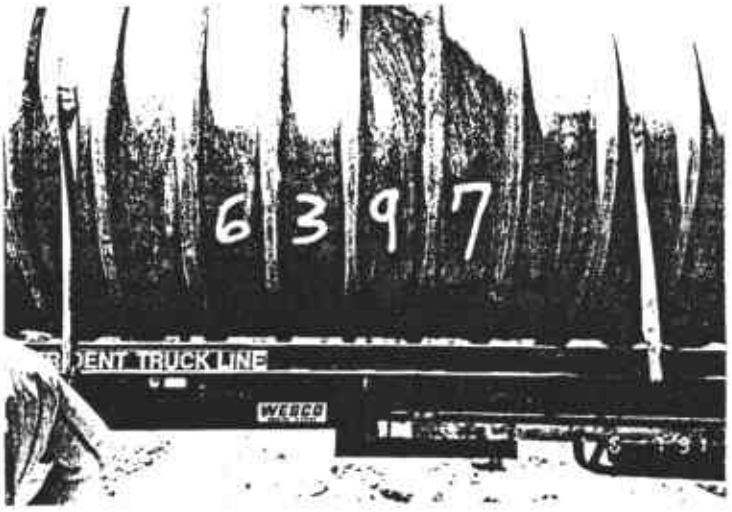
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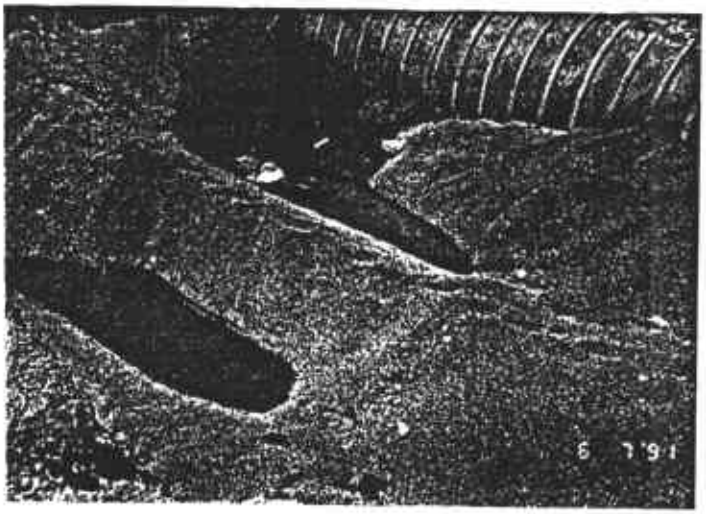
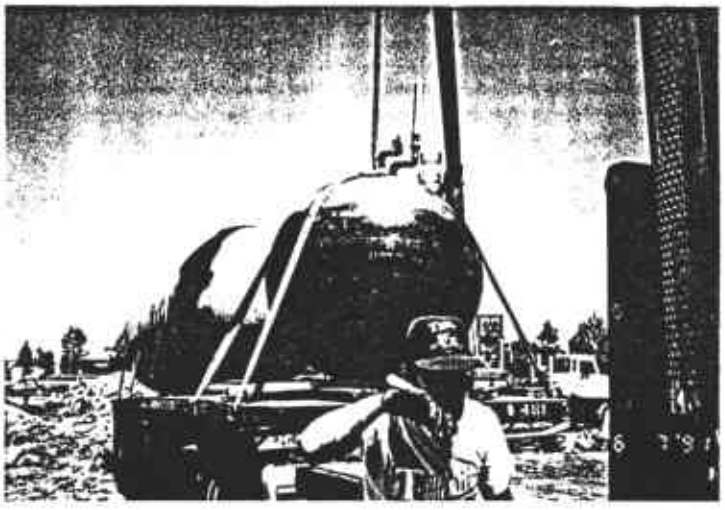
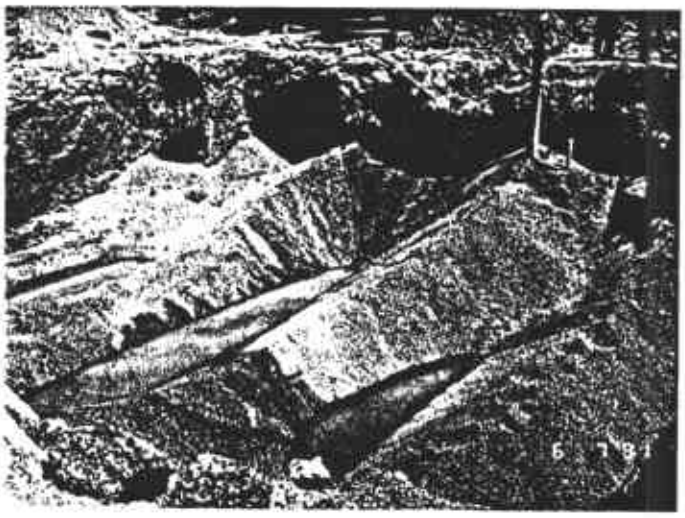
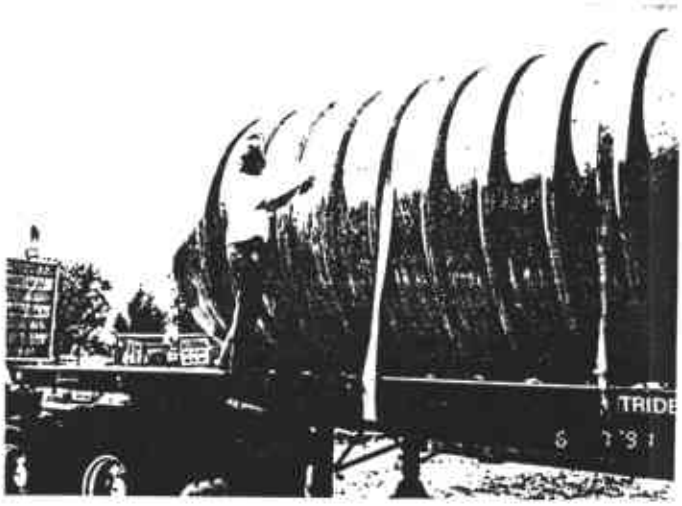








ADDITIONAL SAMPLING

June 14, 1991 / 910614-Z-1

SCOPE OF REQUESTED SERVICES

In accordance with your request, field personnel would be dispatched to the site to collect a sample of standing water from the bottom of the main tank pit. We would arrange for the requested analyses of the sample, and maintain adequate documentation culminating in the issuance of a formal Sampling Report.

EXECUTION OF THE WORK PERFORMED ON JUNE 14, 1991

Personnel from our office returned to the site on Friday, June 14, 1991.

The bottom of the main tank pit contained a large amount of fill gravel. Only a few areas in the pit were deep enough to contain the standing water.

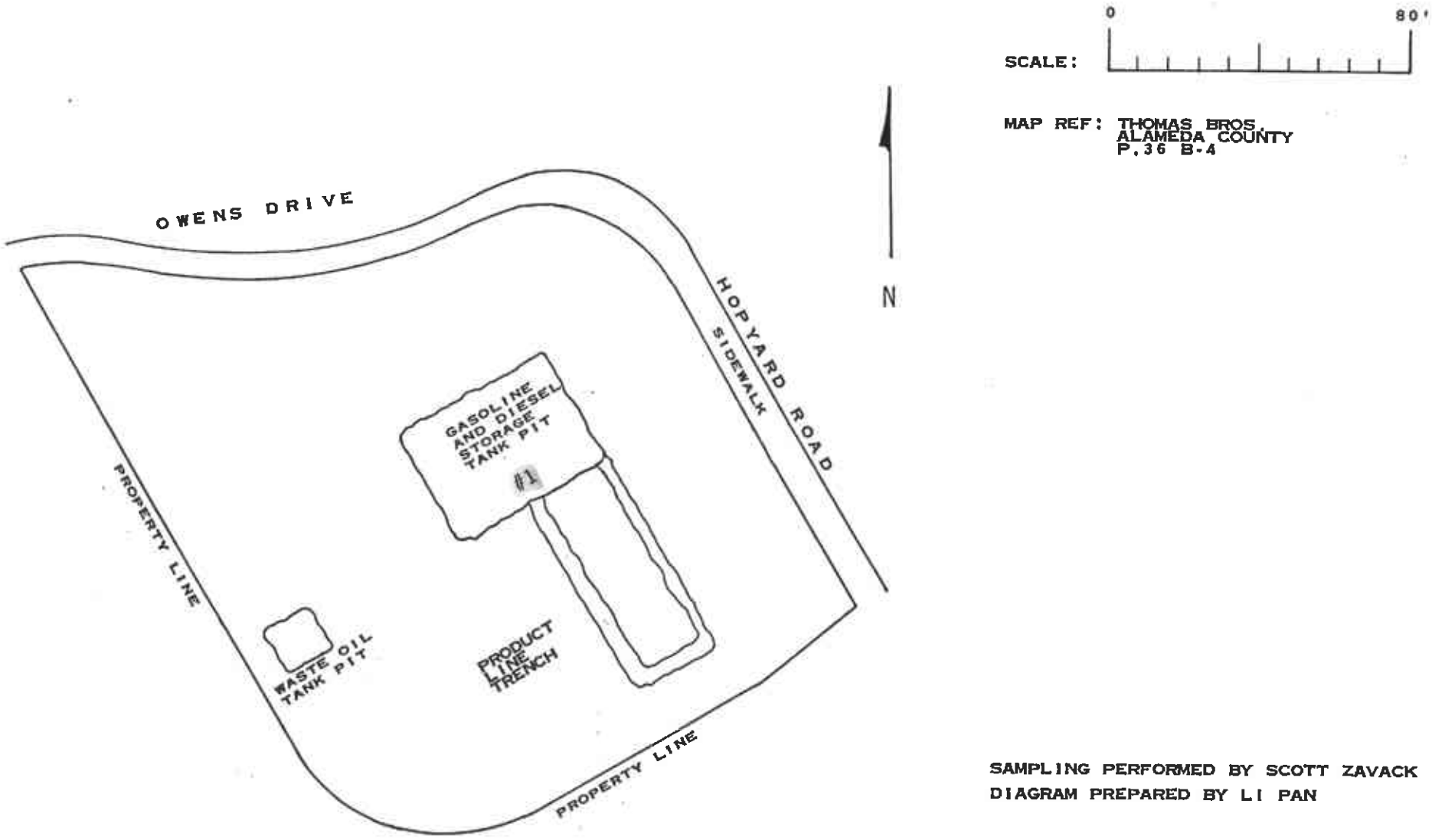
Our representative collected a sample (#1) of the standing water using a subsurface water sampler. Sample #1 was taken approximately four inches (4") below the surface of the body of water at an approximate depth of ten feet (10') below grade.

After completion of the field work, the sample containers were delivered to Clayton Environmental Consultants, Inc. Laboratory in Pleasanton, California. Clayton Environmental Consultants, Inc. Laboratory is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #163.

It was requested that the analytical procedures used for these analyses be those specified by the Regional Water Quality Control Board -- San Francisco Bay Region. The methods are defined in attachments to the San Francisco RWQCB (Region 2) publication, Guidelines For Addressing Fuel Leaks and in documents issued to clarify the Board's interpretation of the California LUFT Manual.

ADDITIONAL SAMPLING DIAGRAM

June 14, 1991 / 910614-Z-1



SAMPLING PERFORMED BY SCOTT ZAVACK
DIAGRAM PREPARED BY LI PAN

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

NOTE: Analytical results are reported in Parts Per Million or Parts Per Billion

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TPH AS GAS	PPM TPH AS DIESEL	PPM BEN-ZENE	PPM TOL-UENE	PPM ETHYL BEN-ZENE	PPM XY-LENES
AF	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#6	CLAYTON	9106069-6A	14	--	0.26	0.08	ND	0.25
AM	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#2	CLAYTON	9106069-2A	4.1	--	0.23	0.047	0.31	0.16
Aop	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#9	CLAYTON	9106069-9A	9.0	--	0.11	0.06	ND	0.17
BF	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#3	CLAYTON	9106069-3A	--	ND	0.077	0.007	0.025	0.61
	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#1	CLAYTON	9106069-1A	--	ND	0.26	0.015	0.009	0.008
Bop	10.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#10	CLAYTON	9106069-10A	--	ND	0.052	0.024	0.071	0.14
CF	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#5	CLAYTON	9106069-5A	4.8	--	0.11	ND	0.16	0.18
Cop	9.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#8	CLAYTON	9106069-8A	43	--	0.64	0.12	2.3	0.49
DF	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#4	CLAYTON	9106069-4A	3.6	--	0.027	0.010	0.091	0.053
Dop	10.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#7	CLAYTON	9106069-7A	70	--	0.36	0.30	0.13	0.59
STOCK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#11A-D	CLAYTON	9106069-11E	--	ND	0.015	0.028	0.009	0.23
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#12A-D	CLAYTON	9106069-12E	--	2.0	ND	ND	ND	ND
PRODUCT LINE															
#14	2.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#14	CLAYTON	9106069-14A	970	ND	32	120	0.6	130
#15	8.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#15	CLAYTON	9106069-15A	50	ND	0.16	0.25	0.14	0.27
#16	7.5	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#16	CLAYTON	9106069-16A	4.8	--	ND	0.067	0.040	0.044
#17	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#17	CLAYTON	9106069-17A	59	--	0.10	0.070	0.54	0.98
#18	7.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#18	CLAYTON	9106069-18A	58	--	ND	0.090	0.45	1.4
#19	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#19	CLAYTON	9106069-19A	ND	--	ND	0.010	ND	0.019
#20	6.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#20	CLAYTON	9106069-20A	ND	--	ND	0.011	ND	ND
#21	9.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#21	CLAYTON	9106069-21A	ND	--	ND	0.013	ND	0.008
#22	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#22	CLAYTON	9106069-22A	ND	--	ND	0.035	ND	0.032
#23	6.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#23	CLAYTON	9106069-23A	ND	--	ND	0.24	0.21	0.54
#24	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#24	CLAYTON	9106069-24A	53	ND	0.32	0.42	0.22	3.1
#25	7.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#25	CLAYTON	9106069-25A	440	ND	1.1	5.2	0.54	22
#26	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#26	CLAYTON	9106069-26A	1800	ND	12	15	2.9	70
#27	10.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#27	CLAYTON	9106069-27A	ND	8.0	ND	0.017	ND	0.075
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	ND	79	0.013	0.026	ND	0.17
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	100	ND	0.13	0.42	0.39	2.1
#1	10.0	ELECTIVE	SUBSURF	WATER	06/14/91	910614-Z-1	#1	CLAYTON	9106121-01A	* 24000	--	1000	470	220	5500

* Analytical results are reported in parts per billion (ppb).

Standard = The location conformed to established (professional or regulatory) definitions for the type of sample being collected. Example: a standard RWQCB interface sample.

LIA = The local implementing agency inspector chose a sampling location that was different from a standard (pre-defined) location.

Elective = Elective samples are not taken to comply with regulatory requirements, but to obtain information. Sampling locations may be chosen by the property owner, the contractor, a consultant, etc. The samples may or may not be analyzed.

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

NOTE: Analytical results are reported in Parts Per Million or Parts Per Billion

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TPH AS GAS	PPM TPH AS DIESEL	PPM BEN-ZENE	PPM TOL-UENE	PPM ETHYL BEN-ZENE	PPM XY-LENES
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	4.0	ND	0.051	0.054	0.011	0.13
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	9.4	ND	ND	0.14	0.017	0.37

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TOTAL OIL & GREASE	PPM CAM WET LEAD	PPB EPA 8010 COMPOUNDS
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	<50	--	ND
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<50	0.1	--
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	--	0.2	ND
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	--	<0.1	ND

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TCLP METALS As	Ba	Cd	Cr	Pb	Hg	Se	Ag
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<0.1	1.6	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	<0.1	1.6	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	<0.1	1.6	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	REACTIVITY--PPM--- CYANIDE	SULFIDE	CORROSIVITY pH	IGNITABILITY FLASH POINT
STOCK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#11A-D	CLAYTON	9106069-11E	0.7	<10	8.6	N.I.
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#12A-D	CLAYTON	9106069-12E	<0.3	<10	8.7	N.I.
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	<0.3	<10	8.2	N.I.
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<0.3	<10	8.5	N.I.
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	<0.3	<10	8.5	N.I.
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	<0.3	<10	8.9	N.I.

SAMPLING METHODOLOGIES

Specific methods used on this project

Capillary Zone Soil Sample: The capillary zone is the soil horizon immediately above the surface of standing groundwater into which moisture is drawn by capillary action. Capillary zone sampling is most often requested in open pit and open trench situations where lost petroleum products are evident or suspected. In these cases, it is reasoned that a sample of the capillary zone will demonstrate whether or not fuel has been drawn up into the soil above the groundwater and, thereby, provide a rough indication of the volume and duration of the lost fuel condition.

Engineers of the Region 2 RWQCB staff have specified the correct sampling area as being from zero to six inches above the surface of the standing perched water and no more than twelve inches back into the native soil from the lateral backfill/native soil interface.

There are two weaknesses which tend to invalidate capillary zone sampling on the basis of inconsistent results. First, is the difficulty encountered in locating the true surface of the perched water above which the capillary zone resides. The removal of the tank and backfill material tends to artificially lower the water in the immediate vicinity of the tank pit below the true standing water level and mislead observers attempting to evaluate where the capillary zone is located. Second, the zone itself is a narrow horizon which is bordered on the top and bottom by soil which would not be expected to contain nearly the concentration of fuel hydrocarbons as the capillary zone proper. Collecting the correct material is complicated by conditions at the site which usually consist of a broad excavation, with vertical walls descending into a water filled pit. Because of these conditions, direct approach to the sampling area is difficult, dangerous, or impossible.

Assuming that the true and original surface of the perched water can be determined, samples can be safely obtained by one of the following methods. The backhoe bucket can be used to dig up a segment of the pit wall that contains the capillary zone and bring it up for inspection and sampling. An alternative method is to use sections of light weight drill rod and a drive shoe which contains a brass sample liner. This train can be extended across the pit, positioned, and used to drive an undisturbed soil sample.

Standard RWQCB Interface Samples: Samples taken immediately following a tank removal are required to conform to criteria established by the Regional Water Quality Control Boards. Interpretation of these criteria is usually entrusted to the discretion of the local implementing agency inspector, but are widely known and conformance with these criteria is expected even when no regulatory agency personnel are present to direct the procedures. Accordingly, "Standard Interface samples" are those which have been taken in accordance with the standard protocol for obtaining interface samples. These samples fall into the category of samples which are known to be of primary concern to the interested regulatory agencies for determining if additional action will be required at a site and the methodology has been closely defined in state and RWQCB publications, supplements, and presentations. These specify both the acceptable depth and lateral situation of sample collection points. In accordance with these specifications, sample collection is executed as

close as possible to the center line (longitudinal axis) of the tank and on a vertical axis with the fill pipe. A corresponding location is also found at the opposite end of the tank whenever standard interface samples are being collected.

Briefly, the method consists of digging up native soil from directly below the fill pipe and the corresponding opposite end of the tank and obtaining a sample from the backfill/native soil interface or a short distance below the interface. A short distance has been defined by Region 2 Board engineers as not greater than twenty-four inches below the backfill/native soil interface and is generally taken to be one foot below the backfill/native soil interface. This soil is brought up in the backhoe bucket. A shovel or trowel is used to cut away surface soil and backfill material which may have been included in the bucket, and the sample is taken by pushing or driving a brass sample liner into the newly exposed soil from the designated depth and location. Additional clarifications by Region 2 Board engineers have indicated that when there is an obvious difference in the relative contamination of soil brought up from the interface depth, then it is the relatively more contaminated soil that should be selected for inclusion in the sample.

Elective Exploratory Samples: This type of sampling employs the same sample collection and handling procedures as are used in standard RWQCB interface sampling, but soil is typically obtained at a greater depth or from a position that is laterally offset from the interface location.

Subsurface Water Sample: Subsurface water samples are obtained with a proprietary device which duplicates the functioning of several EPA, commercial, and industrial sampling devices. The device goes beyond the EPA weighted bottle device to include both the ability to position the sample at an exact depth (via an extendible pole) and to securely reseal the sample bottle prior to bringing the sample container up through the surface of the liquid being sampled. Though the device can be used to skim the surface, or obtain aggregate samples of all the water in the pit, the most common application for the device is the collection of samples of that water which is below the surface and petroleum fuel contaminants that may be floating on the surface.

Requests for subsurface samples are usually made by regulatory agency inspectors seeking information to determine if there are large amounts of dissolved constituents in the main body of water (indicating that lost fuel has been in contact with the water for a sufficient length of time to allow a significant discharge of benzene and other soluble compounds into the water) or if a petroleum film on the water may be only the result of fuel contaminated soil falling into the pit in the course of the present tank excavation work. The frequency of requests for sampling of this sort in several San Francisco Bay area counties lead to the development of the current version of the device and its issue to all our field personnel.

The "subsurface" designation indicates that the device was used in the following manner: The device was lowered into the body of water with the sample container closed against the intrusion of liquid; the sample container was not opened until it was below the surface of the liquid and any free petroleum that might be floating on the surface; the sample container was opened below the surface and allowed to fill with subsurface liquid; the device was closed before being brought back up through the surface of the body of water.

The ordinary "water sample" designation indicates that the device was used without any attempt to collect subsurface water. In this application the device is lowered into the water with the seal open so as to include both the surface and subsurface water in an aggregate

sample. In this application the device duplicates the functioning of another EPA device which consists of a simple bottle or open jar attached to a pole. Ordinary "water samples" may also be collected in bailers which are made of either acrylic plastic, Teflon, or stainless steel. These, however, are usually designated "bailer" samples.

Stockpile Survey (Modified BAAQMD Protocol): This sampling follows a survey pattern, but uses a modified BAAQMD protocol for sampling stockpiles of material that have been newly removed from a tank pit excavation. This protocol calls for a discrete sample container to be collected for every 12.5 cubic yards of material. The survey includes opposite sides of the stockpile. Strict observance of the BAAQMD protocol (for purposes of evaluating the levels of fuel vapor likely to be discharged from a stockpile) calls for inclusion of the surface material in the brass liner which is driven into the pile at a right angle (to the angle of repose) until the liner is full. Unless specifically asked to follow the BAAQMD protocol, our personnel routinely modify the procedure to exclude the surface soil and collect soil from a depth of eight to eighteen inches. While this prejudices the sample in the direction of yielding higher results than would a strict BAAQMD sample, it is more representative of the levels of fuel hydrocarbons present in the soil and is not likely to mislead the client or contractor into offhauling or backfilling with soil stockpiles that are relatively clean at the surface, but unacceptably contaminated through the remainder of their volume.

STANDARD PROCEDURES

Conventions and practices

General Practices

U.S. Environmental Protection Agency standards serve as the foundation for all field sampling operations performed by our firm. The EPA SW 846 is the primary publication from which procedures are derived, though there are additional EPA sources such as training films and verbal communications. Sampling related to underground storage tanks and tank related threats to groundwater are governed by the California Water Resources Control Board and its Regional Water Quality Control Boards. While some aspects of field and laboratory work may be delegated to the California Department of Health Services, the CWRCB and the nine Regional Water Quality Control Boards establish the general and specific criteria for sampling performed in connection with underground storage tanks. This is done through the publication of guidance documents, the issuance of memoranda, and verbal announcements.

Other agencies, such as Air Pollution Control Districts, may require additional samples, but these are usually in addition to samples required by the RWQCB. Local implementing agency (LIA) inspectors are frequently present during the tank removal phase of a project and either direct or request that samples be taken according to RWQCB specifications. Additional samples may, and frequently are, taken at the request of the LIA inspector.

Based on field conditions directly observable by the LIA inspector, our field personnel may be asked to collect samples that are tailored to the specific situation and which the inspector judges will provide substantial information about the site. Quite often these directions or suggestions coincide with the sampling areas established by the RWQCB as the proper collection points for samples which will be used as the Primary Criteria for a

Regulatory Agency Determination on whether additional exploration or remediation will be required at a particular site. Similarly, there are instances when the LIA inspector's judgments do not coincide with Board specifications.

Two common examples of this are as follows:

1. A local implementing agency inspector notes that soil dug up from the correct RWQCB interface sampling point is relatively clean, but observes that there is quite obviously contaminated backfill underlying the center of the tank. The inspector directs that the contaminated backfill should be taken instead of the clean interface soil so as to provide information about the "worst case" conditions within the tank pit.

2. The soil at the specified interface sampling depth is found to be slightly contaminated, but much less so than the soil only a few inches above. Noting the relatively dense soil, the local implementing agency inspector decides not to have the interface soil sampled and has the backhoe dig deeper to see if the contamination diminishes to acceptable levels. This exploration saves the property owner the cost of running two samples at that location, and enables the inspector to directly observe the condition of the deeper soil.

In both examples, different material is collected in lieu of a standard RWQCB interface sample. Further, the material collected is substantially different from what would have been obtained by taking representative soil at the Board specified sampling location. Note that both of these samples were taken at the direction of the local implementing agency inspector who was present at the site and elected to select alternative sampling locations. Note too, that these alternative samples may provide more information about the site than standard Board specified samples. However, as the LIA elected samples do not accurately reflect soil conditions at the sampling points specified by the RWQCB, the decision making process may be hampered.

As important as this may be, it is not the role of Blaine Tech Services, Inc. personnel to evaluate what samples meet or fail to meet the precise definition of a standard RWQCB interface sample. The evaluation of how to classify different samples is as much a part of the LIA inspector's job as is the selection of what material is to be sampled. Discrepancies in definitions can, if necessary, be debated between the RWQCB and the LIA. What is important is that we record where samples were obtained and how the LIA inspector chose to classify those samples.

In example 1. above, the sample would be classified as an LIA elective sample because the LIA inspector identified it as a worst case example rather than as a standard interface sample. Furthermore, it was not collected at a standard interface sample location or depth. The lateral location of the sample and the depth would identify it as an LIA elective sample even if it had not been so designated.

Example 2. above is not so clearcut. It would be up to the LIA inspector to classify this sample as either a standard RWQCB interface sample or as an LIA elective exploratory sample. However classified by the inspector, the depth at which the sample was collected is clearly noted in the second column of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS. It is not uncommon for LIA inspectors to have the backhoe continue digging until they are sure that all backfill material has been eliminated and native soil has been reached. The additional depth of the sample reflects this judgement

call on the part of the inspector. On the other hand, the inspector might acknowledge that the sample was part of an exploration which he or she directed.

The information presented in the first, second, third and fourth columns of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS should be sufficient to define where the sample was taken and how the LIA inspector defined and classified the type of sample it was.

Sample Containers

Our firm uses new sample containers of the type specified by either EPA or the RWQCB for the collection of samples at sites where underground storage tanks are involved. Water samples are contained in 40 ml volatile organic analysis vials (VOAs) when analysis for gasoline and similar light volatile compounds is intended. These containers are prepared according to EPA SW 846 and will contain a small amount of preservative when the analysis is for TPH as gasoline or EPA 602. Vials intended for EPA 601 analysis and EPA 624 GCMS procedures are not preserved. Closure is accomplished with an open headed (syringe accessible) plastic screw cap brought down on top of a Teflon faced septum which is used to seal the sample without headspace.

Water samples intended for semivolatile and nonvolatile analysis such as total oil and grease (TOG) and diesel (TPH HBF) are collected and transported in properly prepared new glass liter bottles. Dark amber glass is used in the manufacture of these bottles to reduce any adverse effect on the sample by sunlight. Antimicrobial preservative may be added to the sample liquid if a prolonged holding time is expected prior to analysis. Closure is accomplished with a heavy plastic screw cap.

Soil samples for volatile, semivolatile and nonvolatile analyses are all collected in properly prepared new brass liners which are 2 inches in diameter by 4 inches in length. Closure is accomplished with press fit plastic end caps which are fitted to the open ends of brass tube liners after a sheet of aluminum foil is wrapped over the exposed sample material. No preservative other than cold storage is used on samples captured in sample containers of this type.

Sample Handling Procedures

Solid sample material is captured by advancing the liner into the soil. This may be done by pushing the liner into soft soils or by containing the liner in a drive shoe which can be advanced and then retracted by means of a slide hammer. The open ends of the sample liner are covered with aluminum foil and plastic end caps. The brass liner is then labeled with the appropriate identification numbers which specify the sampling activity designation number, sample collection area, depth etc. that apply to that particular sample. The sample liner is then placed in an ice chest which contains pre-frozen blocks of an inert ice substitute such as Blue Ice or Super Ice.

Water samples are collected in any of several appropriate devices such as bailers, Coliwasas, Middleburg sampling pumps, etc., which are described in detail only as warranted by their employment at a given site. Sample liquid is decanted into new sample containers in a manner which reduces the loss of volatile constituents and follows the applicable EPA procedures for handling volatile organic and semi-volatile compounds. Only two varia-

tions from the EPA methods are generally employed. First, preservative is added to the sample container prior to addition of the sample liquid. This method was pioneered by Stoner Laboratories in 1982 and subsequently adopted by laboratories and environmental consulting firms as a practical means of reducing the time that a liquid is allowed to aerate prior to closure of the sampling container. Second, because tests have shown that the preservative readily mixes with sample liquid, glass stirring rods are not used to agitate the sample/preservative mixture.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days as jobs and projects often do. This is followed by the sample I.D. number which is usually a simple number such as #1, #2, #3.

Chain of Custody

Samples are continuously maintained in either a chilled ice chest, refrigerator, or freezer from the time of collection until acceptance by the State certified Hazardous Materials Testing Laboratory selected to perform the analytical procedures. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

Laboratory Identification Numbers

Following receipt of the samples and completion of the Chain of Custody form, the laboratory then assigns their own identification numbers to the samples. Different laboratories use different numbering systems and, according to their own internal conventions, may or may not assign sequential numbers to samples which are placed on temporary "hold", pending the results of other analyses. Laboratory identification numbers (if assigned and available) are included in the TABLE, and will be found on the certified analytical report by the analytical laboratory.

Certified Analytical Report

The certified analytical report (CAR) generated by the laboratory is the official document in which they issue their findings. The Results of Analyses section of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS should correspond exactly with the laboratory's CAR. Any discrepancy between analytical values should be decided in favor of the CAR, for while it may, itself, be in error with regard to a particular number, the CAR remains the recognized document until such time as it is amended with a corrected report.

The certified analytical report should also be reviewed when samples are taken from below waste oil tanks as any detection of the EPA halogenated and purgeable aromatic compounds may be grounds for requiring further action. Also the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS is insufficiently spacious to allow anything more than a simple listing of the detected compounds. The TABLE does not include such information as the detection limits at which other compounds were not detected. The full text of the laboratory report will be found in the Analytical Appendix.

Reportage

Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody, and the certified analytical report issued by the Hazardous Materials Testing Laboratory. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1800 Harrison Street
Room 700
Oakland, CA 94612
ATTN: Lester Feldman

Pleasanton Fire Department
4444 Railroad Avenue
P.O. Box 520
Pleasanton, CA 94566-0802
ATTN: Rick Mueller

Please call if we can be of any further assistance.

for: Richard C. Blaine

RCB/dmp

ANALYTICAL APPENDIX

Supporting documents

CHAIN OF CUSTODY FORMS
CERTIFIED ANALYTICAL REPORTS
TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

BLAINE TECH SERVICES INC.

1370 TULLY ROAD., SUITE 505
SAN JOSE, CA 95122
(408) 995 5535

CHAIN OF CUSTODY 910607-Z-1

CLIENT Chevron USA

SITE Chevron Station 90917
5280 Hopyard Rd.
Pleasanton, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB Clayton DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☑ RWQCB REGION 2
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
24 hour Turn-Around
Release # 5486080
Bill To Chevron

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	Brass	TPH (Gas)	TPH (Diesel)	BTEX	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
#1	S	1			✓	✓				
#2		1		✓		✓				
#3		1		✓	✓	✓				
#4		1		✓		✓				
#5		1		✓		✓				
#6		1		✓		✓				
#7		1		✓		✓				
#8		1		✓		✓				
#9		1		✓		✓				
#10	↓	1	↓		✓	✓				

SAMPLING COMPLETED DATE 6-7-91 TIME 17:45

SAMPLING PERFORMED BY Scott Jarock

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Scott Jarock to BTS ~~Fridge~~ Freezer	6-7-91	20:30	Tracy Dahl	6/10/91	9:00
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

BLAINE TECH SERVICES INC.

1370 TULLY ROAD., SUITE 505
SAN JOSE, CA 95122
(408) 995 5535

CHAIN OF CUSTODY 910607-Z-1

CLIENT Chevron USA

SITE Chevron Station 90917
5280 Hopyard Rd.
Pleasanton, CA

LAB Clayton DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ LIA ☐ OTHER ☑ RWQCB REGION 2

SPECIAL INSTRUCTIONS
24 hour Turn-Around
Release # 5486080
Bill To Chevron

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	CONTAINERS Brass	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH(Diesel), BTEX	TPH(Gas), BTEX	Reactivity Corrosivity Ignitability CAM WET for lead	O+G for TPH 5520	8010	TCLP for Metals	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
#11, A-D	S	4			✓		✓							
#12, A-D		4			✓		✓							
#13		1			✓	✓	✓	✓	✓	✓	✓					
#14		1			✓	✓										
#15		1			✓	✓										
#16		1			✓											
#17		1			✓											
#18		1			✓											
#19		1			✓											
#20		1			✓											

SAMPLING COMPLETED DATE 6-9-91 TIME 17:45

SAMPLING PERFORMED BY Scott Jarock

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Scott Jarock to BTS Freezer	6-7-91	20:30	Tracy Dalo	6/10/91	9:00 AM
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

BLAINE TECH SERVICES INC.

1370 TULLY ROAD., SUITE 505
SAN JOSE, CA 95122
(408) 995 5535

CHAIN OF CUSTODY 910607-Z-1

CLIENT Chevron USA

SITE Chevron Station 90917
5280 Hopyard Rd.
Pleasanton, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB Clayton DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ LIA ☐ OTHER ☑ RWQCB REGION 2

SPECIAL INSTRUCTIONS
24 hour Turn-around
bill to ~~BTS~~ Chevron
release # 5486080

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C	TPH(Gas), BTEX	TPH(Diesel), BTEX	~~Oil & Grease~~	8010	CAM WET for Lead	TCLP for Metals	Reactivity Corrosivity Ignitability	O+G for TPH 5520	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
#21	S	1	Brass		✓											
#22		1			✓											
#23		1			✓											
#24		1			✓	✓										
#25		1			✓	✓										
#26		1			✓	✓										
#27		1			✓	✓										
#28		1			✓	✓		✓		✓	✓	✓				
#29 A-D		4			✓	✓		✓	✓	✓	✓					
#30 A-D	↓	4	↓		✓	✓		✓	✓	✓	✓					

SAMPLING COMPLETED DATE 6-7-91 TIME 17:45

SAMPLING PERFORMED BY Scott Javock

RESULTS NEEDED NO LATER THAN

RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
Scott Javock	To BTS Freezer	6-7-91	20:30	[illegible] Baker		6/8/91	9:00am
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME
RELEASED BY		DATE	TIME	RECEIVED BY		DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

Chain-of-Custody-Record

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

Chevron Facility Number 90917
Facility Address 5260 Hopyard Rd, Pleasanton
Consultant Project Number 910607.1
Consultant Name BLAINE TECH SERVICES, INC.
Address 1270 Tully Rd Suite 505
Project Contact (Name) Elaine Holland
(Phone) (408) 995-5535 (Fax Number) 293-8773

Chevron Contact (Name) Pete Tahiris
(Phone) 842-9666
Laboratory Name CLAYTON
Laboratory Release Number 5486080
Samples Collected by (Name) Scott Jonas
Collection Date 6-7-91
Signature Scott Jonas

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) RUN IN SERIES	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	RCI	CAM WET LEAD	TCLP METALS				Remarks
							BTEX													
#1	1	S	G			Y		✓												
#2	1						✓													
#3	1							✓												
#4	1						✓													
#5	1						✓													
#6	1						✓													
#7	1						✓													
#8	1						✓													
#9	1						✓													
#10	1		↓			↓		✓						✓						
#11 A-D	4		C					✓						✓						
#12 A-D	4		C					✓						✓						
#13	1	✓	G				✓	✓	✓					✓	✓	✓				
#14	1		↓			↓	✓	✓						✓						

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Scott Jonas @ BTS Freezer	BTS	6-9-91 20:16		BTS	6.10.91 7:15
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time
	BTS	9:00 AM			6/10/91 9:00 AM

Turn Around Time (Circle Choice)
(24 Hrs.)
48 Hrs.
5 Days
10 Days
As Contracted

COC-1.DWG/11 90/HCH

Chain-of-Custody-Record

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

Chevron Facility Number 90917
Facility Address 5280 Hopyard Rd, Pleasanton
Consultant Project Number 910607E1
Consultant Name BLAINE TECH SERVICES INC.
Address 1370 Tully Rd Suite 505
Project Contact (Name) Elaine Holland
(Phone) (408) 995-5535 (Fax Number) 293-8773

Chevron Contact (Name) Pete Jaharis
(Phone) 842-9666
Laboratory Name CLAYTON
Laboratory Release Number 5486080
Samples Collected by (Name) Scott Zavack
Collection Date 6-7-91
Signature Scott Zavack

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) RUN IN SERIES	TPH Diesel (8015) BTEX	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	O+G for TPH	ACI					Remarks
#15		S	G			✓	✓	✓												
#16							✓													
#17							✓													
#18							✓													
#19							✓													
#20							✓													
#21							✓													
#22							✓													
#23							✓													
#24							✓	✓												
#25							✓	✓												
#26							✓	✓												
#27							✓	✓												
#28		✓	✓			✓	✓	✓	✓	✓				✓	✓					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Scott Zavack to BTS Freezer	BTS	6-7-91/20:10	[signature]	BTS	6-10-91/7:15	(24 Hrs.) 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time	
[signature]	BTS	9:00 Am	[signature]		6/10/91 9:00	

COC-1.DWG/11 90/HCH

Chain-of-Custody-Record

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

Chevron Facility Number 90917
Facility Address 5280 Hopyard Rd, Pleasanton
Consultant Project Number 910607.1
Consultant Name BLAINE Tech Services, Inc.
Address 1370 Tully Rd Suite 505
Project Contact (Name) Elaine Holland
(Phone) (408) 995-5535 (Fax Number) 293-8773

Chevron Contact (Name) Pete Jaharis
(Phone) 842-9666
Laboratory Name CLAYTON
Laboratory Release Number 54486080
Samples Collected by (Name) Scott Zuvacki
Collection Date 6-7-91
Signature Scott Zuvacki

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) Run in series	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	STLC WET for Metals	TTLC for Metals	RCI	CAM WET for Lead	TCLP for Metals		Remarks
#29A-1D	4	S	C			Y	✓	✓		✓						✓	✓	✓		
#30A-1D	4	S	C			Y	✓	✓		✓						✓	✓	✓		

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Scott Zuvacki to BTS Freezer	BTS	6-9-91 / 10:30		BTS	6.10.91 / 7:15
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	BTS	7:00 am			6/10/91 9:00 am

Turn Around Time (Circle Choice)
(24 Hrs.)
48 Hrs.
5 Days
10 Days
As Contracted

COC-1.DWG/11 90/HCH

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

June 13, 1991

Ms. Elaine Holland
BLAINE TECH SERVICES, INC.
1370 Tully Road, Suite 505
San Jose, CA 95122

Client Ref. 90917/91060Z1
Clayton Project No. 91060.69

Dear Ms. Holland:

Attached is our analytical laboratory report for the samples received on June 10, 1991. Results were sent to you by facsimile on June 11, 1991 and June 12, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (415) 426-2657.

Sincerely,

Ronald H. Peters

Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#1	Date Sampled:	06/07/91
Lab Number:	9106069-01A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	0.26	0.005
Toluene	108-88-3	0.015	0.005
Ethylbenzene	100-41-4	0.009	0.005
Xylenes	1330-20-7	0.008	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#3	Date Sampled:	06/07/91
Lab Number:	9106069-03A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	0.077	0.005
Toluene	108-88-3	0.007	0.005
Ethylbenzene	100-41-4	0.025	0.005
Xylenes	1330-20-7	0.61	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#10	Date Sampled:	06/07/91
Lab Number:	9106069-10A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	0.052	0.005
Toluene	108-88-3	0.024	0.005
Ethylbenzene	100-41-4	0.071	0.005
Xylenes	1330-20-7	0.14	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #11A-#11D	Date Sampled:	06/07/91
Lab Number:	9106069-11E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	0.015	0.005
Toluene	108-88-3	0.028	0.005
Ethylbenzene	100-41-4	0.009	0.005
Xylenes	1330-20-7	0.23	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #12A-#12D	Date Sampled:	06/07/91
Lab Number:	9106069-12E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9106069-31A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	06/10/91
Extraction Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#2	Date Sampled:	06/07/91
Lab Number:	9106069-02A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.23	0.005
Toluene	108-88-3	0.047	0.005
Ethylbenzene	100-41-4	0.31	0.005
Xylenes	1330-20-7	0.16	0.005
Gasoline	-----	4.1	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#4	Date Sampled:	06/07/91
Lab Number:	9106069-04A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.027	0.005
Toluene	108-88-3	0.010	0.005
Ethylbenzene	100-41-4	0.091	0.005
Xylenes	1330-20-7	0.053	0.005
Gasoline	-----	3.6	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#5	Date Sampled:	06/07/91
Lab Number:	9106069-05A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.11	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	0.16	0.005
Xylenes	1330-20-7	0.18	0.005
Gasoline	-----	4.8	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#6	Date Sampled:	06/07/91
Lab Number:	9106069-06A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection[a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.26	0.03
Toluene	108-88-3	0.08	0.03
Ethylbenzene	100-41-4	ND	0.03
Xylenes	1330-20-7	0.25	0.03
Gasoline	-----	14	2

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#7	Date Sampled:	06/07/91
Lab Number:	9106069-07A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.36	0.03
Toluene	108-88-3	0.30	0.03
Ethylbenzene	100-41-4	0.13	0.03
Xylenes	1330-20-7	0.59	0.03
Gasoline	-----	70	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#8	Date Sampled:	06/07/91
Lab Number:	9106069-08A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.64	0.005
Toluene	108-88-3	0.12	0.005
Ethylbenzene	100-41-4	2.3	0.005
Xylenes	1330-20-7	0.49	0.005
Gasoline	-----	43	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#9	Date Sampled:	06/07/91
Lab Number:	9106069-09A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.11	0.03
Toluene	108-88-3	0.06	0.03
Ethylbenzene	100-41-4	ND	0.03
Xylenes	1330-20-7	0.17	0.03
Gasoline	-----	9	2

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#13	Date Sampled:	06/07/91
Lab Number:	9106069-13A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.14	0.005
Ethylbenzene	100-41-4	0.017	0.005
Xylenes	1330-20-7	0.37	0.005
Gasoline	-----	9.4	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#14	Date Sampled:	06/07/91
Lab Number:	9106069-14A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/11/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	32	0.5
Toluene	108-88-3	120	0.5
Ethylbenzene	100-41-4	0.6	0.5
Xylenes	1330-20-7	130	0.5
Gasoline	-----	970	30

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#15	Date Sampled:	06/07/91
Lab Number:	9106069-15A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/11/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.16	0.05
Toluene	108-88-3	0.25	0.05
Ethylbenzene	100-41-4	0.14	0.05
Xylenes	1330-20-7	0.27	0.05
Gasoline	-----	50	3

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#16	Date Sampled:	06/07/91
Lab Number:	9106069-16A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.067	0.005
Ethylbenzene	100-41-4	0.040	0.005
Xylenes	1330-20-7	0.044	0.005
Gasoline	-----	4.8	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#17	Date Sampled:	06/07/91
Lab Number:	9106069-17A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.10	0.005
Toluene	108-88-3	0.070	0.005
Ethylbenzene	100-41-4	0.54	0.005
Xylenes	1330-20-7	0.98	0.005
Gasoline	-----	59	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#18	Date Sampled:	06/07/91
Lab Number:	9106069-18A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.090	0.005
Ethylbenzene	100-41-4	0.45	0.005
Xylenes	1330-20-7	1.4	0.005
Gasoline	-----	58	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#19	Date Sampled:	06/07/91
Lab Number:	9106069-19A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.010	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.019	0.005
Gasoline	-----	ND	5 [a]

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to matrix interferences

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#20	Date Sampled:	06/07/91
Lab Number:	9106069-20A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.011	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#21	Date Sampled:	06/07/91
Lab Number:	9106069-21A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.013	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.008	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#22	Date Sampled:	06/07/91
Lab Number:	9106069-22A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.035	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.032	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#23	Date Sampled:	06/07/91
Lab Number:	9106069-23A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/11/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.03
Toluene	108-88-3	0.24	0.03
Ethylbenzene	100-41-4	0.21	0.03
Xylenes	1330-20-7	0.54	0.03
Gasoline	-----	ND	60[a]

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to matrix interferences

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#24	Date Sampled:	06/07/91
Lab Number:	9106069-24A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/11/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection [a] (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.32	0.03
Toluene	108-88-3	0.42	0.03
Ethylbenzene	100-41-4	0.22	0.03
Xylenes	1330-20-7	3.1	0.03
Gasoline	-----	53	2

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#25	Date Sampled:	06/07/91
Lab Number:	9106069-25A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	1.1	0.005
Toluene	108-88-3	5.2	0.005
Ethylbenzene	100-41-4	0.54	0.005
Xylenes	1330-20-7	22	0.005
Gasoline	-----	440	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#26	Date Sampled:	06/07/91
Lab Number:	9106069-26A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/11/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg) [a]
BTEX/Gasoline			
Benzene	71-43-2	12	0.5
Toluene	108-88-3	15	0.5
Ethylbenzene	100-41-4	2.9	0.5
Xylenes	1330-20-7	70	0.5
Gasoline	-----	1,800	30

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to dilution necessary for quantitation

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#27	Date Sampled:	06/07/91
Lab Number:	9106069-27A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.017	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.075	0.005
Gasoline	-----	ND	0.5 [a]

ND Not detected at or above limit of detection
-- Information not available or not applicable

[a] Detection limits increased due to matrix interferences

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	#28	Date Sampled:	06/07/91
Lab Number:	9106069-28A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.051	0.005
Toluene	108-88-3	0.054	0.005
Ethylbenzene	100-41-4	0.011	0.005
Xylenes	1330-20-7	0.13	0.005
Gasoline	-----	4.0	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #29A-#29D	Date Sampled:	06/07/91
Lab Number:	9106069-29E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.013	0.005
Toluene	108-88-3	0.026	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	0.17	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #30A-#30D	Date Sampled:	06/07/91
Lab Number:	9106069-30E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	0.13	0.005
Toluene	108-88-3	0.42	0.005
Ethylbenzene	100-41-4	0.39	0.005
Xylenes	1330-20-7	2.1	0.005
Gasoline	-----	100	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9106069-31A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Xylenes	1330-20-7	ND	0.005
Gasoline	-----	ND	0.3

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	See below	Date Received:	06/10/91
Lab Number:	9106069	Date Extracted:	06/10/91
Sample Matrix/Media:	SOIL	Date Analyzed:	06/10/91
Extraction Method:	EPA 3550		
Analytical Method:	EPA 8015		

Lab No.	Sample I.D.	Date Collected	Diesel Fuel (mg/kg)	Detection Limit (mg/kg)
-01A	#1	06/07/91	ND	1
-03A	#3	06/07/91	ND	1
-10A	#10	06/07/91	ND	1
-11E	COMPOSITE OF #11A-#11D	06/07/91	ND	1
-12E	COMPOSITE OF #12A-#12D	06/07/91	2	1
-13A	#13	06/07/91	ND	1
-14A	#14	06/07/91	ND	100 a
-15A	#15	06/07/91	ND	1
-24A	#24	06/07/91	ND	1
-25A	#25	06/07/91	ND	3 a
-26A	#26	06/07/91	ND	4 a
-27A	#27	06/07/91	8	1
-28A	#28	06/07/91	ND	1
-29E	COMPOSITE OF #29A-#29D	06/07/91	79	1

ND = Less than the indicated limit of detection (LOD)
-- = Information not available or not applicable

[a] Detection limit increased due to presence of gasoline

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	See below	Date Received:	06/10/91
Lab Number:	9106069	Date Extracted:	06/10/91
Sample Matrix/Media:	SOIL	Date Analyzed:	06/10/91
Extraction Method:	EPA 3550		
Analytical Method:	EPA 8015		

Lab No.	Sample I.D.	Date Collected	Diesel Fuel (mg/kg)	Detection Limit (mg/kg)
-30E	COMPOSITE OF #30A-#30D	06/07/91	ND	8 [a]
-31A	METHOD BLANK	--	ND	1

ND = Less than the indicated limit of detection (LOD)
-- = Information not available or not applicable

[a] Detection limit increased due to presence of gasoline

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	#28	Date Sampled:	06/07/91
Lab Number:	9106069-28A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.06
Bromomethane	74-83-9	ND	0.07
Vinyl chloride	75-01-4	ND	0.05
Chloroethane	75-00-3	ND	0.05
Methylene chloride	75-09-2	ND	0.2
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.04
Trans-1,2-Dichloroethene	156-60-5	ND	0.04
Cis-1,2-Dichloroethene	156-59-2	ND	0.04
1,2-Dichloroethene (total)	540-59-0	ND	0.04
Chloroform	67-66-3	ND	0.05
1,2-Dichloroethane	107-06-2	ND	0.03
1,1,1-Trichloroethane	71-55-6	ND	0.05
Carbon tetrachloride	56-23-5	ND	0.06
Bromodichloromethane	75-27-4	ND	0.07
1,2-Dichloropropane	78-87-5	ND	0.05
Cis-1,3-Dichloropropene	10061-01-5	ND	0.05
Trichloroethene	79-01-6	ND	0.03
Dibromochloromethane	124-48-1	ND	0.06
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trans-1,3-Dichloropropene	10061-02-6	ND	0.06
2-Chloroethylvinylether	100-75-8	ND	0.1
Bromoform	75-25-2	ND	0.07
Tetrachloroethene	127-18-4	ND	0.05
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Chlorobenzene	108-90-7	ND	0.07
1,3-Dichlorobenzene	541-73-7	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
Trichlorofluoromethane	75-69-4	ND	0.04
Freon 113	76-13-1	ND	0.06

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #29A-#29D	Date Sampled:	06/07/91
Lab Number:	9106069-29E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.06
Bromomethane	74-83-9	ND	0.07
Vinyl chloride	75-01-4	ND	0.05
Chloroethane	75-00-3	ND	0.05
Methylene chloride	75-09-2	ND	0.2
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.04
Trans-1,2-Dichloroethene	156-60-5	ND	0.04
Cis-1,2-Dichloroethene	156-59-2	ND	0.04
1,2-Dichloroethene (total)	540-59-0	ND	0.04
Chloroform	67-66-3	ND	0.05
1,2-Dichloroethane	107-06-2	ND	0.03
1,1,1-Trichloroethane	71-55-6	ND	0.05
Carbon tetrachloride	56-23-5	ND	0.06
Bromodichloromethane	75-27-4	ND	0.07
1,2-Dichloropropane	78-87-5	ND	0.05
Cis-1,3-Dichloropropene	10061-01-5	ND	0.05
Trichloroethene	79-01-6	ND	0.03
Dibromochloromethane	124-48-1	ND	0.06
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trans-1,3-Dichloropropene	10061-02-6	ND	0.06
2-Chloroethylvinylether	100-75-8	ND	0.1
Bromoform	75-25-2	ND	0.07
Tetrachloroethene	127-18-4	ND	0.05
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Chlorobenzene	108-90-7	ND	0.07
1,3-Dichlorobenzene	541-73-7	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
Trichlorofluoromethane	75-69-4	ND	0.04
Freon 113	76-13-1	ND	0.06

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #30A-#30D	Date Sampled:	06/07/91
Lab Number:	9106069-30E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/10/91
Preparation Method:	EPA 5030	Date Analyzed:	06/10/91
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.06
Bromomethane	74-83-9	ND	0.07
Vinyl chloride	75-01-4	ND	0.05
Chloroethane	75-00-3	ND	0.05
Methylene chloride	75-09-2	ND	0.2
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.04
Trans-1,2-Dichloroethene	156-60-5	ND	0.04
Cis-1,2-Dichloroethene	156-59-2	ND	0.04
1,2-Dichloroethene (total)	540-59-0	ND	0.04
Chloroform	67-66-3	ND	0.05
1,2-Dichloroethane	107-06-2	ND	0.03
1,1,1-Trichloroethane	71-55-6	ND	0.05
Carbon tetrachloride	56-23-5	ND	0.06
Bromodichloromethane	75-27-4	ND	0.07
1,2-Dichloropropane	78-87-5	ND	0.05
Cis-1,3-Dichloropropene	10061-01-5	ND	0.05
Trichloroethene	79-01-6	ND	0.03
Dibromochloromethane	124-48-1	ND	0.06
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trans-1,3-Dichloropropene	10061-02-6	ND	0.06
2-Chloroethylvinylether	100-75-8	ND	0.1
Bromoform	75-25-2	ND	0.07
Tetrachloroethene	127-18-4	ND	0.05
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Chlorobenzene	108-90-7	ND	0.07
1,3-Dichlorobenzene	541-73-7	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
Trichlorofluoromethane	75-69-4	ND	0.04
Freon 113	76-13-1	ND	0.06

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification: METHOD BLANK
Lab Number: 9106069-31A
Sample Matrix/Media: SOIL
Preparation Method: EPA 5030
Analytical Method: EPA 8010

Date Sampled: --
Date Received: --
Date Prepared: 06/10/91
Date Analyzed: 06/10/91

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.06
Bromomethane	74-83-9	ND	0.07
Vinyl chloride	75-01-4	ND	0.05
Chloroethane	75-00-3	ND	0.05
Methylene chloride	75-09-2	ND	0.2
1,1-Dichloroethene	75-35-4	ND	0.02
1,1-Dichloroethane	75-35-3	ND	0.04
Trans-1,2-Dichloroethene	156-60-5	ND	0.04
Cis-1,2-Dichloroethene	156-59-2	ND	0.04
1,2-Dichloroethene (total)	540-59-0	ND	0.04
Chloroform	67-66-3	ND	0.05
1,2-Dichloroethane	107-06-2	ND	0.03
1,1,1-Trichloroethane	71-55-6	ND	0.05
Carbon tetrachloride	56-23-5	ND	0.06
Bromodichloromethane	75-27-4	ND	0.07
1,2-Dichloropropane	78-87-5	ND	0.05
Cis-1,3-Dichloropropene	10061-01-5	ND	0.05
Trichloroethene	79-01-6	ND	0.03
Dibromochloromethane	124-48-1	ND	0.06
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trans-1,3-Dichloropropene	10061-02-6	ND	0.06
2-Chloroethylvinylether	100-75-8	ND	0.1
Bromoform	75-25-2	ND	0.07
Tetrachloroethene	127-18-4	ND	0.05
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Chlorobenzene	108-90-7	ND	0.07
1,3-Dichlorobenzene	541-73-7	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
Trichlorofluoromethane	75-69-4	ND	0.04
Freon 113	76-13-1	ND	0.06

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification:	#13	Date Sampled:	06/07/91
Lab Number:	9106069-13A	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/11/91
Preparation Method:	EPA 1311	Date Analyzed:	06/11/91
Analytical Method:	EPA 6010		

Analyte	Extract Concentration (mg/L)	Regulatory Level * (mg/L)	Limit of Detection (mg/L)
TCLP - Metals			
Arsenic	<0.1	5.0	0.1
Barium	1.6	100.0	0.1
Cadmium	<0.05	1.0	0.05
Chromium	<0.1	5.0	0.1
Lead	<0.1	5.0	0.1
Mercury **	<0.01	0.2	0.01
Selenium	<0.1	1.0	0.1
Silver	<0.1	5.0	0.1

< Less than, below limit of detection
-- Information not available or not applicable

* per 40 CFR Part 261.24

** Analytical method EPA 7470, analyzed 06/12/91

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #29A-#29D	Date Sampled:	06/07/91
Lab Number:	9106069-29E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/11/91
Preparation Method:	EPA 1311	Date Analyzed:	06/11/91
Analytical Method:	EPA 6010		

Analyte	Extract Concentration (mg/L)	Regulatory Level * (mg/L)	Limit of Detection (mg/L)
TCLP - Metals			
Arsenic	<0.1	5.0	0.1
Barium	1.8	100.0	0.1
Cadmium	<0.05	1.0	0.05
Chromium	<0.1	5.0	0.1
Lead	<0.1	5.0	0.1
Mercury **	<0.01	0.2	0.01
Selenium	<0.1	1.0	0.1
Silver	<0.1	5.0	0.1

< Less than, below limit of detection
-- Information not available or not applicable

* per 40 CFR Part 261.24

** Analytical method EPA 7470, analyzed 06/12/91

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification:	COMPOSITE OF #30A-#30D	Date Sampled:	06/07/91
Lab Number:	9106069-30E	Date Received:	06/10/91
Sample Matrix/Media:	SOIL	Date Prepared:	06/11/91
Preparation Method:	EPA 1311	Date Analyzed:	06/11/91
Analytical Method:	EPA 6010		

Analyte	Extract Concentration (mg/L)	Regulatory Level * (mg/L)	Limit of Detection (mg/L)
TCLP - Metals			
Arsenic	<0.1	5.0	0.1
Barium	1.6	100.0	0.1
Cadmium	<0.05	1.0	0.05
Chromium	<0.1	5.0	0.1
Lead	<0.1	5.0	0.1
Mercury **	<0.01	0.2	0.01
Selenium	<0.1	1.0	0.1
Silver	<0.1	5.0	0.1

< Less than, below limit of detection
-- Information not available or not applicable

* per 40 CFR Part 261.24

** Analytical method EPA 7470, analyzed 06/12/91

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060Z1
Clayton Project No. 91060.69

Sample Identification: METHOD BLANK
Lab Number: 9106069-31A
Sample Matrix/Media: SOIL
Preparation Method: EPA 1311
Analytical Method: EPA 6010

Date Sampled: --
Date Received: --
Date Prepared: 06/11/91
Date Analyzed: 06/11/91

Analyte	Extract Concentration (mg/L)	Regulatory Level * (mg/L)	Limit of Detection (mg/L)
TCLP - Metals			
Arsenic	<0.1	5.0	0.1
Barium	<0.1	100.0	0.1
Cadmium	<0.05	1.0	0.05
Chromium	<0.1	5.0	0.1
Lead	<0.1	5.0	0.1
Mercury **	<0.01	0.2	0.01
Selenium	<0.1	1.0	0.1
Silver	<0.1	5.0	0.1

< Less than, below limit of detection
-- Information not available or not applicable

* per 40 CFR Part 261.24

** Analytical method EPA 7470, analyzed 06/12/91

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification: COMPOSITE OF #11A-#11D
Lab Number: 9106069-11
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.6	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	0.7	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification: COMPOSITE OF #12A-#12D
Lab Number: 9106069-12
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.7	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification: #13
Lab Number: 9106069-13
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Hydrocarbons	<50	50	mg/kg	06/10/91	06/10/91	SM 5520 E	SM 5520 F
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.5	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2
STLC-Lead	0.1	0.1	mg/L	06/12/91	06/12/91	CAM WET	EPA 6010

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/9106072I
Clayton Project No. 91060.69

Sample Identification: #28
Lab Number: 9106069-28
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Hydrocarbons	<50	50	mg/kg	06/10/91	06/10/91	SM 5520 E	SM 5520 F
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.2	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification: COMPOSITE OF #29A-#29D
Lab Number: 9106069-29
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.5	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2
STLC-Lead	0.2	0.1	mg/L	06/12/91	06/12/91	CAM WET	EPA 6010

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/91060721
Clayton Project No. 91060.69

Sample Identification: COMPOSITE OF #30A-#30D
Lab Number: 9106069-30
Sample Matrix/Media: SOIL

Date Sampled: 06/07/91
Date Received: 06/10/91

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Ignitability	N.I.	--	Degrees F	--	06/12/91	--	SW (7.1.2)
pH	8.9	--	S.U.	--	06/10/91	--	EPA 9045
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2
STLC-Lead	<0.1	0.1	mg/L	06/12/91	06/12/91	CAM WET	EPA 6010

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

N.I. = Not Ignitable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910607Z1
Clayton Project No. 91060.69

Sample Identification: METHOD BLANK
Lab Number: 9106069-31
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Hydrocarbons	<50	50	mg/kg	06/10/91	06/10/91	SM 5520 E	SM 5520 F
Reactive Cyanide	<0.3	0.5	mg/kg	--	06/12/91	--	SW 7.3.3.2
Reactive Sulfide	<10	10	mg/kg	--	06/12/91	--	SW 7.3.4.2
STLC-Lead	<0.1	0.1	mg/L	06/12/91	06/12/91	CAM WET	EPA 6010

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-21A
Ext./Prep. Method: 5030
Date: 06/10/91
Analyst: PF
Std. Source: W624

Analytical Method: EPA8015 8020
Date: 06/10/91
Analyst: PF
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	0.0140	0.0160	114	0.0160	114	114	50	150	0.0	40
GASOLINE	(FID)	0.420	0.500	0.840	84	0.840	84	84	50	150	0.0	40
TOLUENE	(PID)	0.0120	0.0500	0.0570	90	0.0550	86	88	50	150	3.6	40

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106033-01a
Ext./Prep. Method: 5030
Date: 06/10/91
Analyst: PF
Std. Source: W-624

Analytical Method: EPA8015 8020
Date: 06/11/91
Analyst: PF
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	0.0150	0.0137	91	0.0143	95	93	50	150	4.3	40
GASOLINE	(FID)	ND	0.500	0.472	94	0.559	112	103	50	150	17	40
TOLUENE	(PID)	ND	0.0500	0.0482	96	0.0495	99	98	50	150	2.7	40

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-11E
Ext./Prep. Method: EPA3550
Date: 06/10/91
Analyst: HYT
Std. Source: W-669

Analytical Method: EPA8015
Date: 06/10/91
Analyst: DTT
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
DIESEL	ND	20.0	18.0	90	18.3	91	.91	71	138	1.6	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106067-05A
Ext./Prep. Method: 5030
Date: 06/10/91
Analyst: VK
Std. Source: W-646

Analytical Method: EPA8010_8020
Date: 06/10/91
Analyst: VK
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	(HALL)	ND	2.00	1.70	85	1.97	99	92	50	150	15	40
CHLOROBENZENE	(HALL)	ND	2.00	1.88	94	2.18	109	102	50	150	15	40
TRICHLOROETHENE	(HALL)	ND	2.00	1.72	86	1.98	99	93	50	150	14	40

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-13A
Ext./Prep. Method: SM5520F
Date: 06/10/91
Analyst: HT
Std. Source: S361

Analytical Method: SM5520EF
Date: 06/10/91
Analyst: GD
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
TOTAL PETROLEUM HYDROCARBONS	10.0	1,250	1,160	92	1,160	91	92	75	125	0.4	25

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-30E
Ext./Prep. Method: EPA7.3.3.2
Date: 06/11/91
Analyst: LUZ
Std. Source: BAKER#3080-1

Analytical Method: EPA7_3_3_2
Date: 06/12/91
Analyst: HYW
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
REACTIVE CYANIDE	ND	100	93.8	94	92.3	92	93	75	125	1.6	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-30E
Ext./Prep. Method: EPA7.3.4.2
Date: 06/11/91
Analyst: LUZ
Std. Source: KODAK#AOA

Analytical Method: EPA7_3_4_2
Date: 06/12/91
Analyst: HYW
Sample Matrix/Media: SOIL
Units: MG/KG

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
REACTIVE SULFIDE	ND	470	371	79	352	75	77	75	125	5.2	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-13A
Ext./Prep. Method: EPA3010
Date: 06/11/91
Analyst: JSL
Std. Source: MIX11290

Analytical Method: EPA6010
Date: 06/11/91
Analyst: JSL
Sample Matrix/Media: TCLP
Units: MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ARSENIC	ND	5.00	5.06	101	5.09	102	102	75	125	0.6	20
BARIUM	1.50	100	97.2	96	98.7	97	96	75	125	1.5	20
CADMIUM	ND	1.00	1.02	102	1.02	102	102	75	125	0.0	20
CHROMIUM	ND	5.00	4.95	99	4.99	100	99	75	125	0.8	20
LEAD	ND	5.00	4.97	99	5.05	101	100	75	125	1.6	20
SELENIUM	ND	1.00	1.08	108	1.17	117	113	75	125	8.0	20
SILVER	ND	4.00	4.05	101	4.08	102	102	75	125	0.7	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-13A
Ext./Prep. Method: EPA7470
Date: 06/12/91
Analyst: SUE
Std. Source: EM MX0399-1

Analytical Method: EPA7470
Date: 06/12/91
Analyst: SUE
Sample Matrix/Media: TCLP
Units: MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
MERCURY	ND	0.100	0.0770	77	0.0920	92	85	75	125	18	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 91060.69

Clayton Lab Number: 9106069-30E
Ext./Prep. Method: EPA3010
Date: 06/12/91
Analyst: HYW
Std. Source: VHG10140

Analytical Method: EPA6010
Date: 06/12/91
Analyst: HYW
Sample Matrix/Media: STLC
Units: MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
ANTIMONY	ND	10.0	9.78	98	9.93	99	99	75	125	1.5	20
BARIUM	8.08	10.0	17.3	93	17.7	96	94	75	125	1.9	20
BERYLLIUM	ND	10.0	9.39	94	9.58	96	95	75	125	2.0	20
CADMIUM	ND	10.0	9.89	99	10.1	101	100	75	125	1.6	20
CHROMIUM	ND	10.0	10.1	101	10.3	103	102	75	125	2.1	20
COBALT	0.320	10.0	9.96	96	10.2	98	97	75	125	1.9	20
COPPER	0.170	10.0	9.77	96	9.86	97	96	75	125	0.9	20
LEAD	ND	10.0	9.44	94	9.71	97	96	75	125	2.8	20
MOLYBDENUM	ND	10.0	10.1	101	10.3	103	102	75	125	1.9	20
NICKEL	0.650	10.0	10.1	95	10.3	97	96	75	125	2.1	20
SILVER	ND	10.0	9.66	97	9.79	98	97	75	125	1.3	20
THALLIUM	ND	10.0	9.02	90	9.29	93	92	75	125	2.9	20
VANADIUM	0.950	10.0	11.0	101	11.2	103	102	75	125	2.0	20
ZINC	1.37	10.0	11.7	103	11.9	105	104	75	125	1.8	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

BLAINE TECH SERVICES INC.

1370 TULLY ROAD., SUITE 505
SAN JOSE, CA 95122
(408) 995 5535

CHAIN OF CUSTODY 910614-Z-1

CLIENT Chevron USA

SITE 5280 Hopyard Rd
Pleasanton, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB Clayton DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☑ RWQCB REGION 2
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

2 hour rush
Bill TO Chevron

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C	TPH (Gas) BTEX							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1	6-14-91	7:00	W	3	Voas												

SAMPLING COMPLETED DATE 6-14-91 TIME 7:00

SAMPLING PERFORMED BY Scott Jawach

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Scott Jawach	6-14-91	7:54	[illegible]	6/14/91	7:54
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

June 14, 1991

Ms. Elaine Holland
BLAINE TECH SERVICES, INC.
1370 Tully Road, Suite 505
San Jose, CA 95122

Client Ref. 90917/910614-2-1
Clayton Project No. 91061.21

Dear Ms. Holland:

Attached is our analytical laboratory report for the samples received on June 14, 1991. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Supervisor, at (415) 426-2657.

Sincerely,

Michael Lynch for RHP
Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910614-2-1
Clayton Project No. 91061.21

Sample Identification:	#1	Date Sampled:	06/14/91
Lab Number:	9106121-01A	Date Received:	06/14/91
Sample Matrix/Media:	WATER	Date Prepared:	06/14/91
Preparation Method:	EPA 5030	Date Analyzed:	06/14/91
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	1,000	20
Toluene	108-88-3	470	20
Ethylbenzene	100-41-4	220	20
Xylenes	1330-20-7	5,500	20
Gasoline	-----	24,000	3,000

ND Not detected at or above limit of detection
-- Information not available or not applicable

Results of Analysis
for
Chevron U.S.A. Inc./Blaine Tech Services, Inc.

Client Reference: 90917/910614-2-1
Clayton Project No. 91061.21

Sample Identification: METHOD BLANK
Lab Number: 9106121-02A
Sample Matrix/Media: WATER
Preparation Method: EPA 5030
Analytical Method: EPA 8015/8020

Date Sampled: --
Date Received: --
Date Prepared: 06/14/91
Date Analyzed: 06/14/91

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND Not detected at or above limit of detection
-- Information not available or not applicable

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

NOTE: Analytical results are reported in Parts Per Million or Parts Per Billion

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TPH AS GAS	PPM TPH AS DIESEL	PPM BENZENE	PPM TOLUENE	PPM ETHYL BENZENE	PPM XYLENES
AF	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#6	CLAYTON	9106069-6A	14	--	0.26	0.08	ND	0.25
AM	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#2	CLAYTON	9106069-2A	4.1	--	0.23	0.047	0.31	0.16
Aop	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#9	CLAYTON	9106069-9A	9.0	--	0.11	0.06	ND	0.17
BF	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#3	CLAYTON	9106069-3A	--	ND	0.077	0.007	0.025	0.61
	8.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#1	CLAYTON	9106069-1A	--	ND	0.26	0.015	0.009	0.008
Bop	10.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#10	CLAYTON	9106069-10A	--	ND	0.052	0.024	0.071	0.14
CF	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#5	CLAYTON	9106069-5A	4.8	--	0.11	ND	0.16	0.18
Cop	9.5	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#8	CLAYTON	9106069-8A	43	--	0.64	0.12	2.3	0.49
DF	9.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#4	CLAYTON	9106069-4A	3.6	--	0.027	0.010	0.091	0.053
Dop	10.0	LIA	CAPILLAR	SOIL	06/07/91	910607-Z-1	#7	CLAYTON	9106069-7A	70	--	0.36	0.30	0.13	0.59
STOCK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#11A-D	CLAYTON	9106069-11E	--	ND	0.015	0.028	0.009	0.23
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#12A-D	CLAYTON	9106069-12E	--	2.0	ND	ND	ND	ND
PRODUCT LINE															
#14	2.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#14	CLAYTON	9106069-14A	970	ND	32	120	0.6	130
#15	8.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#15	CLAYTON	9106069-15A	50	ND	0.16	0.25	0.14	0.27
#16	7.5	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#16	CLAYTON	9106069-16A	4.8	--	ND	0.067	0.040	0.044
#17	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#17	CLAYTON	9106069-17A	59	--	0.10	0.070	0.54	0.98
#18	7.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#18	CLAYTON	9106069-18A	58	--	ND	0.090	0.45	1.4
#19	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#19	CLAYTON	9106069-19A	ND	--	ND	0.010	ND	0.019
#20	6.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#20	CLAYTON	9106069-20A	ND	--	ND	0.011	ND	ND
#21	9.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#21	CLAYTON	9106069-21A	ND	--	ND	0.013	ND	0.008
#22	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#22	CLAYTON	9106069-22A	ND	--	ND	0.035	ND	0.032
#23	6.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#23	CLAYTON	9106069-23A	ND	--	ND	0.24	0.21	0.54
#24	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#24	CLAYTON	9106069-24A	53	ND	0.32	0.42	0.22	3.1
#25	7.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#25	CLAYTON	9106069-25A	440	ND	1.1	5.2	0.54	22
#26	3.0	LIA	INTRFACE	SOIL	06/07/91	910607-Z-1	#26	CLAYTON	9106069-26A	1800	ND	12	15	2.9	70
#27	10.0	LIA	EXPLOR	SOIL	06/07/91	910607-Z-1	#27	CLAYTON	9106069-27A	ND	8.0	ND	0.017	ND	0.075
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	ND	79	0.013	0.026	ND	0.17
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	100	ND	0.13	0.42	0.39	2.1
#1	10.0	ELECTIVE	SUBSURF	WATER	06/14/91	910614-Z-1	#1	CLAYTON	9106121-01A *	24000	--	1000	470	220	5500

* Analytical results are reported in parts per billion (ppb).

Standard = The location conformed to established (professional or regulatory) definitions for the type of sample being collected. Example: a standard RWQCB interface sample.

LIA = The local implementing agency inspector chose a sampling location that was different from a standard (pre-defined) location.

Elective = Elective samples are not taken to comply with regulatory requirements, but to obtain information. Sampling locations may be chosen by the property owner, the contractor, a consultant, etc. The samples may or may not be analyzed.

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

NOTE: Analytical results are reported in Parts Per Million or Parts Per Billion

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TPH AS GAS	PPM TPH AS DIESEL	PPM BEN-ZENE	PPM TOL-UENE	PPM ETHYL BEN-ZENE	PPM XY-LENES
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	4.0	ND	0.051	0.054	0.011	0.13
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	9.4	ND	ND	0.14	0.017	0.37

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TOTAL OIL & GREASE	PPM CAM WET LEAD	PPB EPA 8010 COMPOUNDS
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	<50	--	ND
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<50	0.1	--
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	--	0.2	ND
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	--	<0.1	ND

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	PPM TCLP METALS As	Ba	Cd	Cr	Pb	Hg	Se	Ag
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<0.1	1.6	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	<0.1	1.8	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	<0.1	1.6	<0.05	<0.1	<0.1	<0.01	<0.1	<0.1

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	REACTIVITY--PPM--- CYANIDE	SULFIDE	CORROSIVITY pH	IGNITABILITY FLASH POINT
STOCK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#11A-D	CLAYTON	9106069-11E	0.7	<10	8.6	N.I.
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#12A-D	CLAYTON	9106069-12E	<0.3	<10	8.7	N.I.
WoM	9.0	STANDARD	INTRFACE	SOIL	06/07/91	910607-Z-1	#28	CLAYTON	9106069-28A	<0.3	<10	8.2	N.I.
WoSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#13	CLAYTON	9106069-13A	<0.3	<10	8.5	N.I.
PLSTK	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#29A-D	CLAYTON	9106069-29E	<0.3	<10	8.5	N.I.
	12"	STANDARD	BAAQMD-M	SOIL	06/07/91	910607-Z-1	#30A-D	CLAYTON	9106069-30E	<0.3	<10	8.9	N.I.