Chevron

Chevron U.S.A. Inc.
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Marketing Department

91 SEP 18 PM 1:03

September 16, 1991

Ms. Pamela Evans
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, CA 94621

Re: Former Chevron Service Station #9-5630
997 Grant Avenue, San Lorenzo

Dear Ms. Evans:

Enclosed we are forwarding the Tank Removal Observation Report dated September 13, 1991, prepared by our consultant GeoStrategies, Inc. for the above referenced site. This report documents the verification sampling performed during the removal of all above ground and subsurface improvements and subsequent soils remediation activities. The soils remediation activity consisted of excavating and aerating impacted soils encountered during the removal of the underground storage tank system and to assess the magnitude and extent of the subsurface contamination.

As indicated in the report, on December 18, 1990, all underground storage tanks and associated piping were removed. The samples collected beneath these areas were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. TPH-G was detected at concentrations ranging from ND to 6,000 ppm. The elevated concentrations were detected beneath the former tank complex and beneath one of the former pump islands located immediately west of the tank complex. Over excavation was performed to remove these elevated levels. Final excavation samples collected detected TPH-G at concentrations ranging from ND to 54 ppm with the exception of one final sample collected on the western edge of the excavation which detected TPH-G at a concentration of 270 ppm. Excavation was limited vertically to groundwater and horizontally so as to not jeopardize existing sidewalk structures.

sidewall only! bottom sample still up to 1700 ppm left in place!

Samples were collected beneath the former waste oil tank and analyzed for TPH-G, Total Oil & Grease (TOG), BTEX, Volatile Organics and lead. All constituents reported non-detectable concentrations.

Approximately 1,600 cubic yards of soils were removed. Approximately 1,380 cubic yards of soils were aerated on site in compliance with the Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 40, Aeration of Contaminated Soils. Prior to backfilling, confirmatory samples were collected for every 20 cubic yards. All samples reported TPH-G concentrations of less than 2 ppm, Benzene concentrations of ND. Approximately 220 cubic yards of soils were disposed of at a Class III disposal facility. These soils were initially excavated from the former waste oil tank excavation and contained TOG concentrations up to 610 ppm.

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. Chevron has initiated 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 (415) 842-9581.

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

Nancy Vukelich
Environmental Engineer

cc: Mr. Eddie So, RWQCB-Bay Area
Ms. B.C. Owen
File (9-5630A1)

GeoStrategies Inc.

TANK REMOVAL OBSERVATION REPORT

Former Chevron Service Station No. 5630
997 Grant Avenue
San Lorenzo, California

727802-3

September 13, 1991

GeoStrategies Inc.
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545

September 13, 1991

Gettler-Ryan Inc.
2150 West Winton Avenue
Hayward, California 94545

Attn: Mr. Jeff Monroe

Re: TANK REMOVAL OBSERVATION REPORT
Former Chevron Service Station No. 5630
997 Grant Avenue
San Lorenzo, Avenue

Gentlemen:

INTRODUCTION

This report summarizes the field activities performed at the above referenced site (Plate 1) during the recent removal of the underground storage tanks (UGST). Demolition and excavation activities were performed by R.W. Johnston and Sons. Aeration and disposal of excavation soils were performed by Gettler-Ryan Inc. (G-R). A GeoStrategies Inc. (GSI) geologist was present on-site to observe the UGST removal, and to obtain soil samples from the tank excavation, piping trenches and soil stockpiles. The soil sampling and analysis described in this report were performed between December 18, 1990, and September 6, 1991, to comply with the current Tri-Regional Water Quality Control Board Guidelines.

SITE DESCRIPTION

The site was previously occupied by a Chevron Service Station and is now abandoned. The UGST complex was located south of the service station building (Plate 2) and consisted of two 10,000-gallon and one 6000-gallon fiberglass UGSTs. The 6000-gallons tank contained supreme unleaded gasoline while the two 10,000-gallon tanks contained regular leaded and regular unleaded gasoline. A 1000-gallon fiberglass waste oil tank located north of the northwest corner of the service station building was also removed.

FIELD EXCAVATION ACTIVITIES

The four UGSTs were removed December 18, 1990. Tank removal and soil sampling were witnessed by representatives from the Eden Consolidated Fire Protection District and the Alameda County Health Agency (ACHA). Approximately 400 cubic yards of material were removed and stockpiled on-site during the UGST and product-line removal. The leaded and waste oil UGSTs and the fiberglass product-lines had no visible holes or leaks. The regular unleaded UGST had three large cracks and one pinhole on the bottom. The supreme unleaded UGST had one small crack on the bottom. It is not known what damage might have occurred during tank removal.

SOIL SAMPLING

Soil samples were collected in clean brass sample tubes, covered at both ends with aluminum foil and sealed with plastic end caps. The soil samples were labeled, entered on a Chain-of-Custody form, put in a cooler on blue ice and transported to Superior Analytical Laboratories, Inc. (Superior), a State-certified environmental laboratory located in San Francisco, California.

all left in place?

UGST Excavation Sampling

11.5' BG?

Soil samples CX-1B, CX-4B, CX-5B, CX-7B, CX-9B and CX-10B were collected approximately 11.5 feet below grade at the bottom of the UGST excavation. Soil samples CX-2S, CX-3S, CX-6S, CX-8S and CX-11S through CX-14S were collected along the sidewalls at depths varying from 8 to 9.5 feet below grade (Plate 3). An excavator bucket was used to collect soil for each sample location. The samples were collected by removing the top few inches of soil in the bucket, then pushing a brass sample tube into the soil until completely filled.

Water was observed at the bottom of the tank excavation in the vicinity of soil sample CX-1B. A water sample designated CH-1 was collected using a clean acrylic bailer.

Waste Oil Tank Excavation Sampling

Soil sample CW-1B was collected from the bottom of the waste oil tank excavation at a depth of approximately 11 feet below grade. Soil samples CW-2 through CW-5 were collected from the side walls at a depth of approximately 7 feet below grade.

Trench Sampling

Trenches were excavated to expose and remove the underground product piping extending from the UGST complex to the service islands. Soil samples CT-1 through CT-11 were collected after the piping was removed at a depth of approximately 3.5 feet below grade. Soil sample CT-12 was collected under CT-2 at a depth of 5.5 feet below grade after overexcavation. These samples were collected by pushing or hammering a clean brass sample tube into the bottom of a trench until completely filled.

Overexcavation Sampling

vertically? laterally?

Excavation was continued at the site based on field observations and the results of screening the soil for organic vapor using an Organic Vapor Meter (OVM) photoionization detector. Overexcavation was continued until OVM reading where less than 100 ppm. A verification soil sample was then collected. Soil samples CX - 15S through CX - 24S were collected from the sidewalls of the overexcavation (Plate 4).

Stockpile Sampling

Following excavation, soil stockpiles were covered with visqueen pending the analytical results. Four soil samples were collected for approximately every 50 cubic yards of excavated soil. These four soil samples were composited in the laboratory and analyzed as one sample. Soil samples were collected by removing the top 6 to 12 inches of soil, pushing a brass sample tube into the soil stockpile, then removing sealing and handling the sample tube as mentioned above. Composite soil sample designations are CS-1 through CS-4, CS-6 through CS-88, CZ-1 and CSX-16 through CSX-18 for the excavation and overexcavation stockpiles; and CS-5 for the waste oil stockpile (Plate 4).

ANALYTICAL RESULTS

Summaries of the soil analytical results are presented in Table 1 and 2. The UGST excavation, overexcavation, trench and stockpile samples were analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH - Gasoline) according to EPA Method 8015 (Modified) and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) according to EPA Method 8020. Samples CW-1B, CW-2 through CW-5, CS-5, CS-16 through CS-18 and CS-26 were analyzed for Total Oil and Grease according to EPA Method 503E. Additional analysis for samples collected in the former waste oil tank excavation included ICAP Metals, and Volatile Organic Compounds (VOCs). Samples CSX-16 through CSX-18 were analyzed only for Reactivity, Corrosivity and Ignitability (RCI) and CAM Wet 17 Metals according to EPA Method 6010, as required by the disposal facility.

SOIL AERATION

Upon receipt of the initial chemical analytical results for stockpiled soils, an allowable volume of stockpiled soil with a TPH-Gasoline concentration of greater than 9 ppm was aerated on-site by G-R to comply with Bay Area Air Quality Control Management District guidelines for uncontrolled soil aeration. Soil was spread out on-site to a thickness of 1 to 3 feet and turned over occasionally with a rototiller or backhoe to assist in the aeration process. Upon completion of the aeration process, samples were collected for each approximately 20 cubic yards of aerated soil. The samples were analyzed for TPH-Gasoline and BTEX. If the soil TPH-Gasoline concentration was less than 10 ppm, then the soil represented was used as backfill material. If the TPH-Gasoline concentration was greater than 9 ppm, then the corresponding stockpile was re-aerated and resampled. Stockpile samples CS-89 through CS-159 were collected and analyzed, representing approximately 1380 cubic yards of aerated soil. The aerated soil was then used to backfill the excavation. Compaction testing during backfilling was performed by Testing Engineers Inc.

SOIL REMOVAL

Approximately 220 cubic yards of soil represented by samples CS-16, CS-17, CS-18 and CS-26 were transported to Browning Ferris Industries North Vasco Road disposal facility in Livermore, California.

If you have any questions, please call.

GeoStrategies Inc. by,

Randall Young for

Clyde J. Galantine
Geologist

David H. Peterson

REGISTERED GEOLOGIST
DAVID H. PETERSON
No. 1186
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

David H. Peterson
C.E.G. 1186

CJG/DHP/mlg

Plate 1. Vicinity Map
Plate 2. Site Plan
Plate 3. Soil Sample Location Map
Plate 4. Stockpile Location Map

Appendix A: Analytical Laboratory Report and Chain-of-Custody form

QC Review: RSY for JLP

TABLE 1

SOIL ANALYSES DATA

SAMPLE NO	DEPTH (FT)	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)
CH-1	9.5	18-Dec-90	02-Jan-91	8	7.8	19	2.7	17	----
CW-1B	11	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	<.005	<50
CW-2	7	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	0.010	<50
CW-3	7	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	0.007	<50
CW-4	7	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	0.010	<50
CW-5	7	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	<.005	<50
CT-1	3.5	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	0.009	----
CT-2	3.5	18-Dec-90	28-Dec-90	3400	<0.5	1.7	12	80	----
CT-3	3.5	18-Dec-90	02-Jan-91	8	0.12	0.10	0.35	0.30	----
CT-4	3.5	18-Dec-90	28-Dec-90	8	0.11	0.069	0.26	0.15	----
CT-5	3.5	18-Dec-90	02-Jan-91	<1	0.010	<.005	<.005	0.017	----
CT-6	3.5	18-Dec-90	28-Dec-90	5	0.031	0.010	<.005	0.15	----

water sample from pit

Bottom of W.O. pit

W.O. pit sidewall samples

Piping trench samples

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline
PPM = Parts Per Million
CX = Excavation and Overexcavation Sample
CW = Waste Oil Sample
B = Bottom
CH = Ground-water Sample
CT = Trench Sample
S = Sidewall

727802-3

TABLE 1

SOIL ANALYSES DATA

SAMPLE NO	DEPTH (FT)	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)
CT-7	3.5	18-Dec-90	28-Dec-90	2	<.005	0.006	0.007	0.030	----
CT-8	3.5	18-Dec-90	28-Dec-90	<1	<.005	<.005	<.005	0.005	----
CT-9	3.5	18-Dec-90	28-Dec-90	3	<.005	0.012	<.005	0.030	----
CT-10	3.5	18-Dec-90	28-Dec-90	13	0.029	0.010	0.29	0.61	----
CT-11	3.5	18-Dec-90	28-Dec-90	4	0.45	<.005	0.11	0.062	----
CT-12	5.5	15-Jan-91	24-Jan-91	6000	0.500	17	56	400	----
CX-1B	11.5	18-Dec-90	28-Dec-90	1500	1.2	50	29	160	----
CX-2S	9.5	18-Dec-90	28-Dec-90	12	0.014	0.100	0.096	0.38	----
CX-3S	8.5	18-Dec-90	28-Dec-90	6	0.009	0.014	0.100	0.075	----
CX-4B	11.5	18-Dec-90	28-Dec-90	1700	0.40	31	25	150	----
CX-5B	11.5	18-Dec-90	28-Dec-90	1600	0.39	32	24	140	----
CX-6S	8.5	18-Dec-90	28-Dec-90	6	0.005	0.013	0.040	0.12	----
CX-7B	11.5	18-Dec-90	28-Dec-90	730	0.89	19	11	62	----
CX-8S	8.0	18-Dec-90	28-Dec-90	4500	0.70	10	39	210	----

Piping trench samples.

Collected beneath sample CT2. (Levels going up)

Left in place

Collected from bottom of gas tank pit

Sidewall Sample

Sidewall Sample

Sidewall Sample

727802-3

TABLE 1

SOIL ANALYSES DATA

SAMPLE NO	DEPTH (FT)	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)
CX-9B	11.5	18-Dec-90	28-Dec-90	1100	<0.3	9.9	15	80	----
CX-10B	11.5	18-Dec-90	28-Dec-90	54	0.026	0.23	0.38	1.6	----
CX-11S	8.0	18-Dec-90	28-Dec-90	780	0.35	11	11	65	----
CX-12S	8.5	18-Dec-90	28-Dec-90	220	0.17	0.070	7	0.30	----
CX-13S	8.5	18-Dec-90	28-Dec-90	1900	0.45	16	28	160	----
CX-14S	9.0	18-Dec-90	29-Dec-90	680	<0.3	6	9.6	57	----
CX-15S	9.5	15-Feb-91	25-Feb-91	3	<.005	<.005	0.014	0.008	----
CX-16S	9.5	15-Feb-91	25-Feb-91	2	<.005	<.005	0.011	0.013	----
CX-17S	9.5	15-Feb-91	25-Feb-91	<1	0.056	<.005	<.005	0.011	----
CX-18S	9.5	15-Feb-91	25-Feb-91	2	0.008	<.005	0.019	0.006	----
CX-19S	9.5	15-Feb-91	25-Feb-91	46	<.030	0.046	0.18	0.41	----
CX-20S	9.5	15-Feb-91	25-Feb-91	<1	<.005	<.005	<.005	<.005	----
CX-21S	9.5	15-Feb-91	25-Feb-91	170	0.037	0.075	2	4	----
CX-22S	9.5	15-Feb-91	25-Feb-91	54	0.024	0.038	0.25	0.83	----

Left in place

Sidewall samples from gas pit

Overexcavation samples from sidewalls.

TABLE 1

SOIL ANALYSES DATA

SAMPLE NO	DEPTH (FT)	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)
CX-23S	9.5	15-Feb-91	25-Feb-91	270	0.011	0.093	3	9	----
CX-24S	8.5	26-Aug-91	30-Aug-91	5	<.005	0.049	0.012	0.015	----

Overexc. samples from sidewalls

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-1 A-D	19-Dec-90	02-Jan-91	180	0.052	0.35	0.41	6.1	----	----
CS-2 A-D	19-Dec-90	02-Jan-91	63	<.050	<.050	.24	1.2	----	----
CS-3 A-D	19-Dec-90	29-Dec-91	<1	<.005	<.005	<.005	0.009	----	----
CS-4 A-D	19-Dec-90	02-Jan-91	110	0.048	0.16	0.44	4.2	----	----
CS-5 A-D	19-Dec-90	02-Jan-91	<1	<.005	<.005	<.005	.010	<50	----
CS-6 A-D	19-Dec-90	02-Jan-91	50	<.050	.086	0.13	0.69	----	----
CS-7 A-D	19-Dec-90	29-Dec-91	150	<.30	1.0	1.5	12	----	----
CS-8 A-D	19-Dec-90	29-Dec-91	<1	<.005	<.005	<.005	0.007	----	----
CS-9 A-D	17-Jan-91	24-Jan-91	98	<.019	0.023	0.031	0.94	----	----
CS-10 A-D	17-Jan-91	24-Jan-91	300	<.030	0.068	0.220	7	----	----

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline
PPM = Parts Per Million

CS = Stockpile Sample CZ = Stockpile Sample
CSX = Replicate Stockpile Sample

* See Appendix A for chemical analytical results.

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-11 A-D	17-Jan-91	24-Jan-91	99	<.150	<.150	0.280	3	----	----
CS-12 A-D	17-Jan-91	24-Jan-91	230	<.030	0.260	0.590	6	----	----
CS-13 A-D	17-Jan-91	24-Jan-91	86	<.150	0.250	0.250	3	----	----
CS-14 A-D	17-Jan-91	24-Jan-91	78	<.150	<.150	0.190	3	----	----
CS-15 A-D	17-Jan-91	24-Jan-91	45	0.040	0.031	0.100	0.690	----	----
CS-16 A-D	17-Jan-91	24-Jan-91	24	<.010	0.011	0.035	0.120	220	----
CS-17 A-D	17-Jan-91	24-Jan-91	63	<.015	0.062	0.092	0.160	63	----
CS-18 A-D	17-Jan-91	24-Jan-91	36	<.010	0.038	0.019	0.260	610	----
CS-19 A-D	17-Jan-91	24-Jan-91	600	<.150	0.190	2	12	----	----
CS-20 A-D	17-Jan-91	24-Jan-91	26	<.018	0.051	<.018	0.043	----	----
CS-21 A-D	17-Jan-91	24-Jan-91	49	<.013	0.032	<.013	1	----	----
CS-22 A-D	17-Jan-91	24-Jan-91	20	<.012	<.012	<.012	0.500	----	----
CS-23 A-D	17-Jan-91	24-Jan-91	8	<.005	<.005	<.005	0.200	----	----
CS-24 A-D	17-Jan-91	24-Jan-91	7	<.005	.008	<.005	0.029	----	----

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-25 A-D	17-Jan-91	24-Jan-91	<1	<.005	<.005	<.005	0.006	----	----
CZ-1 A-D	10-Jan-91	11-Jan-91	----	----	----	----	----	----	<2
CS-26 A-D	20-Feb-91	18-Mar-91	14	<.005	0.058	0.053	0.12	65	----
CS-27 A-D	20-Feb-91	28-Feb-91	2	<.005	0.005	0.005	0.014	----	----
CS-28 A-D	20-Feb-91	28-Feb-91	24	<.005	0.037	0.044	0.17	----	----
CS-29 A-D	20-Feb-91	28-Feb-91	10	<.005	0.023	0.037	0.049	----	----
CS-30 A-D	20-Feb-91	28-Feb-91	11	<.005	0.019	0.012	0.037	----	----
CS-31 A-D	20-Feb-91	28-Feb-91	2	<.005	0.005	0.005	0.021	----	----
CS-32 A-D	20-Feb-91	28-Feb-91	7	<.005	0.017	0.019	0.053	----	----
CS-33 A-D	20-Feb-91	28-Feb-91	15	<.005	0.025	0.028	0.078	----	----
CS-34 A-D	20-Feb-91	28-Feb-91	43	<.005	0.064	0.39	1.4	----	----
CS-35 A-D	20-Feb-91	28-Feb-91	32	<.005	0.030	0.035	0.086	----	----
CS-36 A-D	21-Feb-91	28-Feb-91	27	<.005	0.054	0.11	0.66	----	----
CS-37 A-D	21-Feb-91	28-Feb-91	12	<.005	0.023	0.022	0.063	----	----
CS-38 A-D	21-Feb-91	28-Feb-91	<1	<.005	<.005	<.005	0.005	----	----

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-39 A-D	21-Feb-91	28-Feb-91	2	<.005	<.005	<.005	0.009	----	----
CS-40 A-D	21-Feb-91	28-Feb-91	1	<.005	<.005	<.005	0.011	----	----
CS-41 A-D	21-Feb-91	28-Feb-91	<1	<.005	<.005	<.005	0.005	----	----
CS-42 A-D	21-Feb-91	28-Feb-91	5	<.005	0.009	0.006	0.017	----	----
CS-43 A-D	21-Feb-91	28-Feb-91	12	<.005	0.029	0.012	0.065	----	----
CS-44 A-D	21-Feb-91	28-Feb-91	26	0.018	0.140	0.067	0.960	----	----
CS-45 A-D	21-Feb-91	28-Feb-91	44	<.005	0.099	0.13	0.68	----	----
CS-46 A-D	21-Feb-91	28-Feb-91	19	<.005	0.040	0.055	0.19	----	----
CS-47 A-D	21-Feb-91	28-Feb-91	36	<.005	0.059	0.062	0.28	----	----
CS-48 A-D	21-Feb-91	28-Feb-91	550	<.038	0.35	2.00	17.0	----	----
CS-49 A-D	21-Feb-91	28-Feb-91	60	<.005	0.070	0.049	0.190	----	----
CS-50 A-D	21-Feb-91	28-Feb-91	9	<.005	0.026	0.012	0.033	----	----
CS-51 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-52 A-D	26-Feb-91	11-Mar-91	<1	<.005	<.005	<.005	0.006	----	----

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-53 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-54 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-55 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-56 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-57 A-D	26-Feb-91	11-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-58 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-59 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-60 A-D	26-Feb-91	08-Mar-91	<1	<.005	.006	<.005	<.005	----	----
CS-61 A-D	26-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-62 A-D	27-Feb-91	08-Mar-91	3	<.005	0.006	<.005	<.005	----	----
CS-63 A-D	27-Feb-91	11-Mar-91	2	<.005	<.005	<.005	<.005	----	----
CS-64 A-D	27-Feb-91	08-Mar-91	8	<.005	0.022	<.005	<.005	----	----
CS-65 A-D	28-Feb-91	08-Mar-91	6	<.005	0.030	<.005	<.005	----	----
CS-66 A-D	28-Feb-91	11-Mar-91	2	<.005	0.011	<.005	0.007	----	----
CS-67 A-D	28-Feb-91	08-Mar-91	130	<.030	0.088	0.58	3.0	----	----

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-68 A-D	28-Feb-91	08-Mar-91	1	<.005	0.006	<.005	<.005	----	----
CS-69 A-D	28-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-70 A-D	28-Feb-91	08-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
*CSX-16 A-D	05-Mar-91	18-Mar-91	----	----	----	----	----	----	----
*CSX-17 A-D	05-Mar-91	18-Mar-91	----	----	----	----	----	----	----
*CSX-18 A-D	05-Mar-91	28-Mar-91	----	----	----	----	----	----	----
CS-71 A-D	07-Mar-91	14-Mar-91	10	<.005	0.019	0.008	0.16	----	----
CS-72 A-D	07-Mar-91	14-Mar-91	16	<.005	0.059	<.005	0.026	----	----
CS-73 A-D	07-Mar-91	15-Mar-91	150	<.030	<.030	0.041	1.1	----	----
CS-74 A-D	07-Mar-91	14-Mar-91	6	<.005	0.018	<.005	0.039	----	----
CS-75 A-D	07-Mar-91	15-Mar-91	85	<.030	0.10	<.030	0.13	----	----
CS-76 A-D	08-Mar-91	14-Mar-91	39	<.005	0.063	0.033	0.27	----	----
CS-77 A-D	08-Mar-91	15-Mar-91	1300	<.300	1.2	12	74	----	----
CS-78 A-D	08-Mar-91	18-Mar-91	27	<.005	0.026	0.052	0.28	----	----

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-79 A-D	08-Mar-91	14-Mar-91	8	<.005	0.041	0.006	0.042	----	----
CS-80 A-D	08-Mar-91	14-Mar-91	13	<.005	0.054	<.005	0.035	----	----
CS-81 A-D	08-Mar-91	14-Mar-91	7	<.005	0.049	<.005	0.028	----	----
CS-82 A-D	08-Mar-91	14-Mar-91	5	<.005	0.017	0.037	0.21	----	----
CS-83 A-D	08-Mar-91	14-Mar-91	2	<.005	12	<.005	0.011	----	----
CS-84 A-D	08-Mar-91	14-Mar-91	4	<.005	0.025	<.005	0.023	----	----
CS-85 A-D	08-Mar-91	14-Mar-91	2	<.005	0.015	<.005	0.011	----	----
CS-86 A-D	08-Mar-91	14-Mar-91	3	<.005	0.037	0.009	0.029	----	----
CS-87 A-D	08-Mar-91	14-Mar-91	2	<.005	0.018	0.006	0.056	----	----
CS-88 A-D	08-Mar-91	14-Mar-91	<1	<.005	<.005	<.005	<.005	----	----
CS-89	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-90	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-91	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-92	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-93	21-Jun-91	25-Jun-91	14	<.005	0.024	0.020	0.013	----	----

aerated soil

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-94	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-95	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-96	21-Jun-91	25-Jun-91	<1	<.005	<.005	<.005	<.005	----	----
CS-97	21-Jun-91	25-Jun-91	2	<.005	0.006	<.005	<.005	----	----
CS-98	21-Jun-91	25-Jun-91	1	<.005	<.005	<.005	<.005	----	----
CS-99	18-Jul-91	24-Jul-91	<1	<.005	0.010	<.005	0.006	----	----
CS-100	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-101	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-102	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-103	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-104	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-105	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-106	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-107	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----

aerated soil

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-108	18-Jul-91	25-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-109	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-110	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-111	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-112	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-113	18-Jul-91	25-Jul-91	<1	<.005	0.007	<.005	<.005	----	----
CS-114	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-115	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-116	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-117	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-118	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-119	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-120	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-121	18-Jul-91	23-Jul-91	9	<.005	0.036	0.023	0.040	----	----
CS-122	18-Jul-91	24-Jul-91	2	<.005	0.011	0.006	0.010	----	----

aerated
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TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-123	18-Jul-91	23-Jul-91	11	<.005	0.059	0.030	0.062	----	----
CS-124	18-Jul-91	23-Jul-91	2	<.005	<.005	<.005	0.009	----	----
CS-125	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-126	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-127	18-Jul-91	23-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-128	18-Jul-91	25-Jul-91	<1	<.005	0.011	<.005	0.011	----	----
CS-129	18-Jul-91	24-Jul-91	4	<.005	0.027	0.013	0.030	----	----
CS-130	18-Jul-91	24-Jul-91	<1	<.005	<.005	<.005	<.005	----	----
CS-131	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-132	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-133	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-134	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-135	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-136	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----

727802-3

TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-137	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-138	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-139	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-140	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-141	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-142	29-Jul-91	02-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-143	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-144	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-145	29-Jul-91	02-Aug-91	2	<.005	<.005	<.005	0.013	----	----
CS-146	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-147	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-148	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-149	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-150	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-151	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----

aerated soil

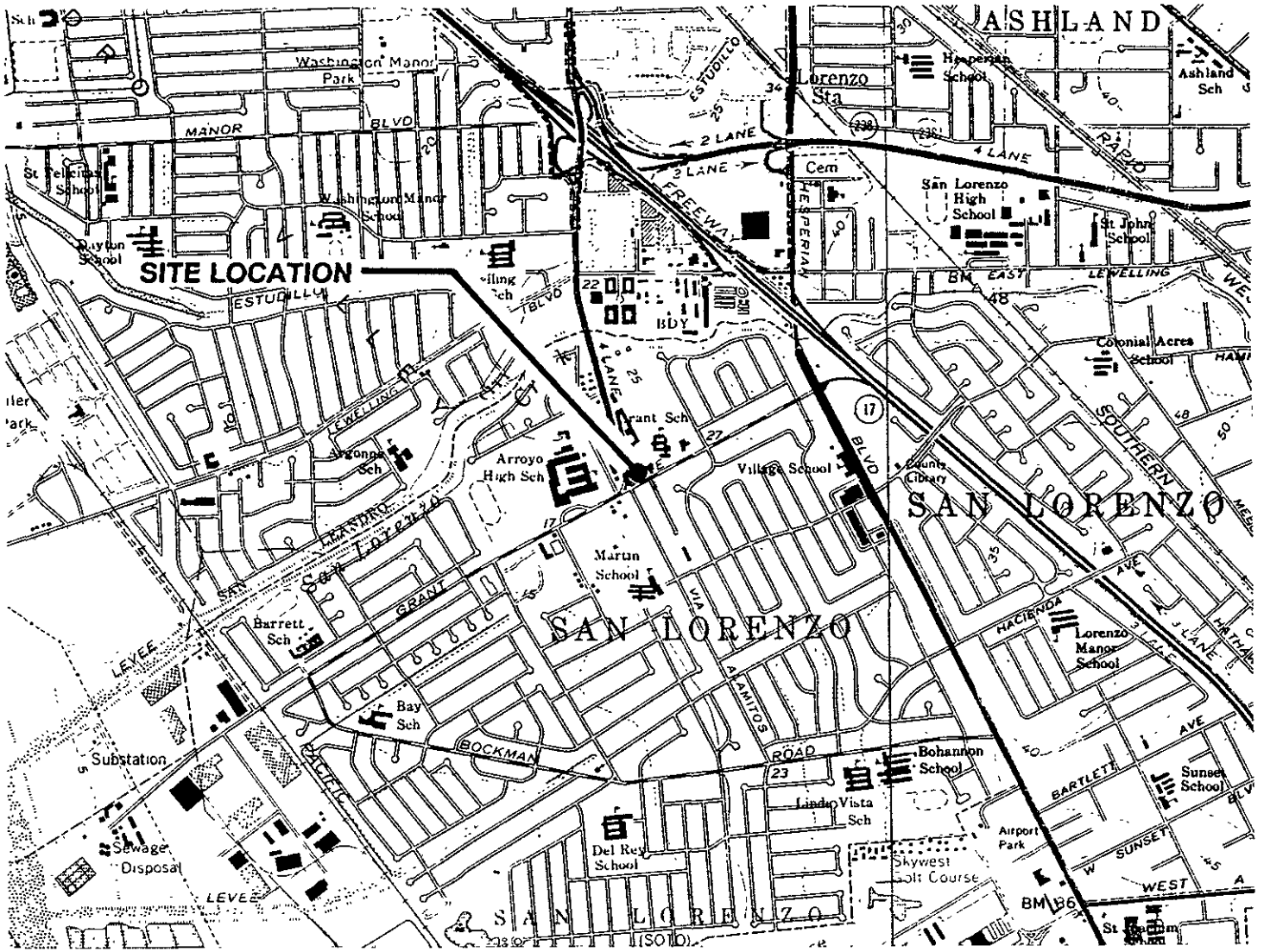
TABLE 2

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYSIS DATE	TPH-G (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	OIL & GREASE (PPM)	ORGANIC LEAD (PPM)
CS-152	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-153	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-154	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-155	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-156	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-157	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-158	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----
CS-159	29-Jul-91	01-Aug-91	<1	<.005	<.005	<.005	<.005	----	----

aerated soil

ILLUSTRATIONS



Base Map: USGS Topographic Map

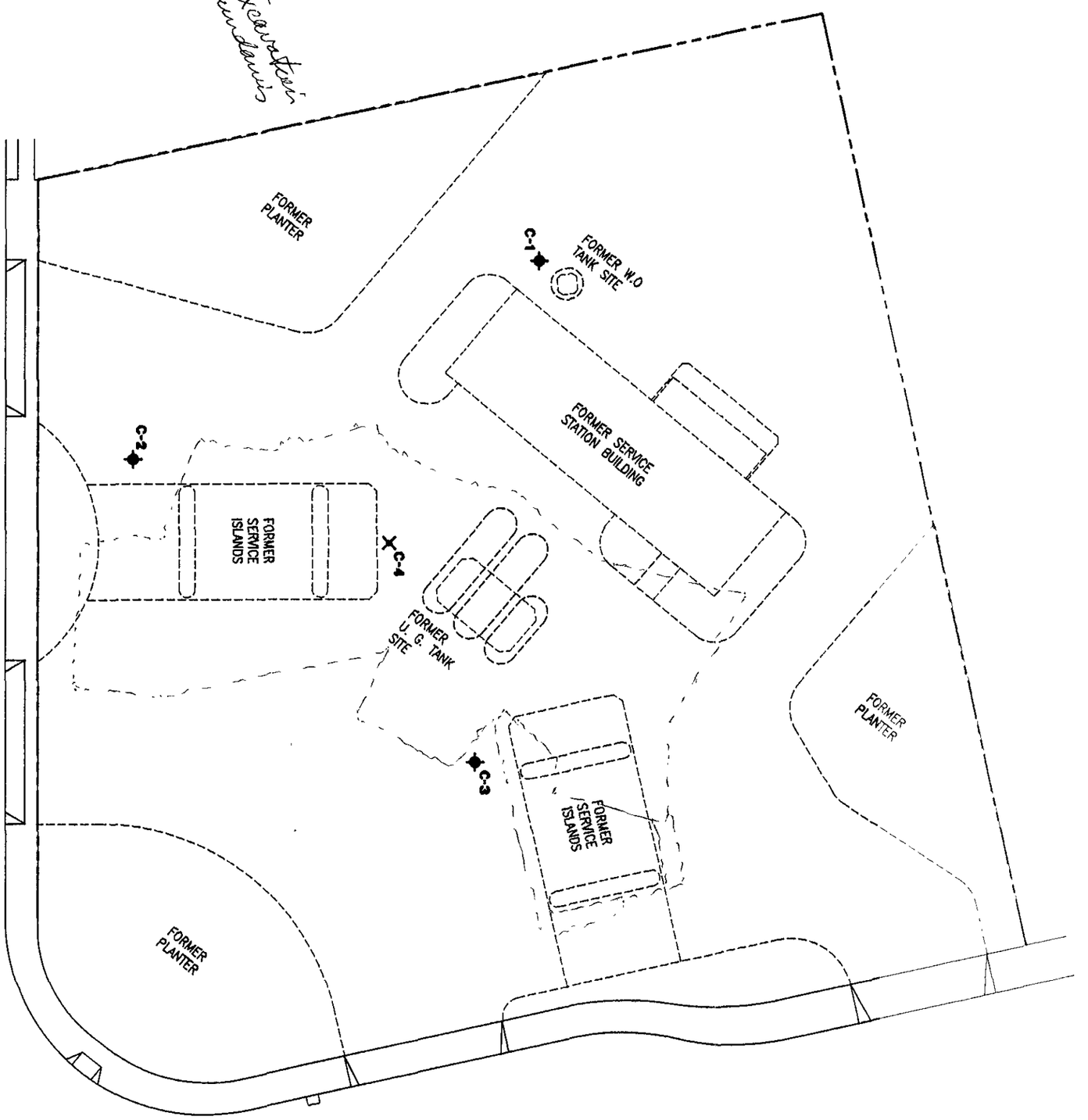
GeoStrategies Inc.

VICINITY MAP
Former Chevron Service Station #5630
997 Grant Avenue
San Lorenzo, California

PLATE **1**

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
7278		10/90	

Base Map: Field observations



EXPLANATION

- ◆ Ground-water monitoring well
- ✕ Abandoned Ground-water monitoring well

Scale in Feet: 0 — 30

N

GeoStrategies Inc.

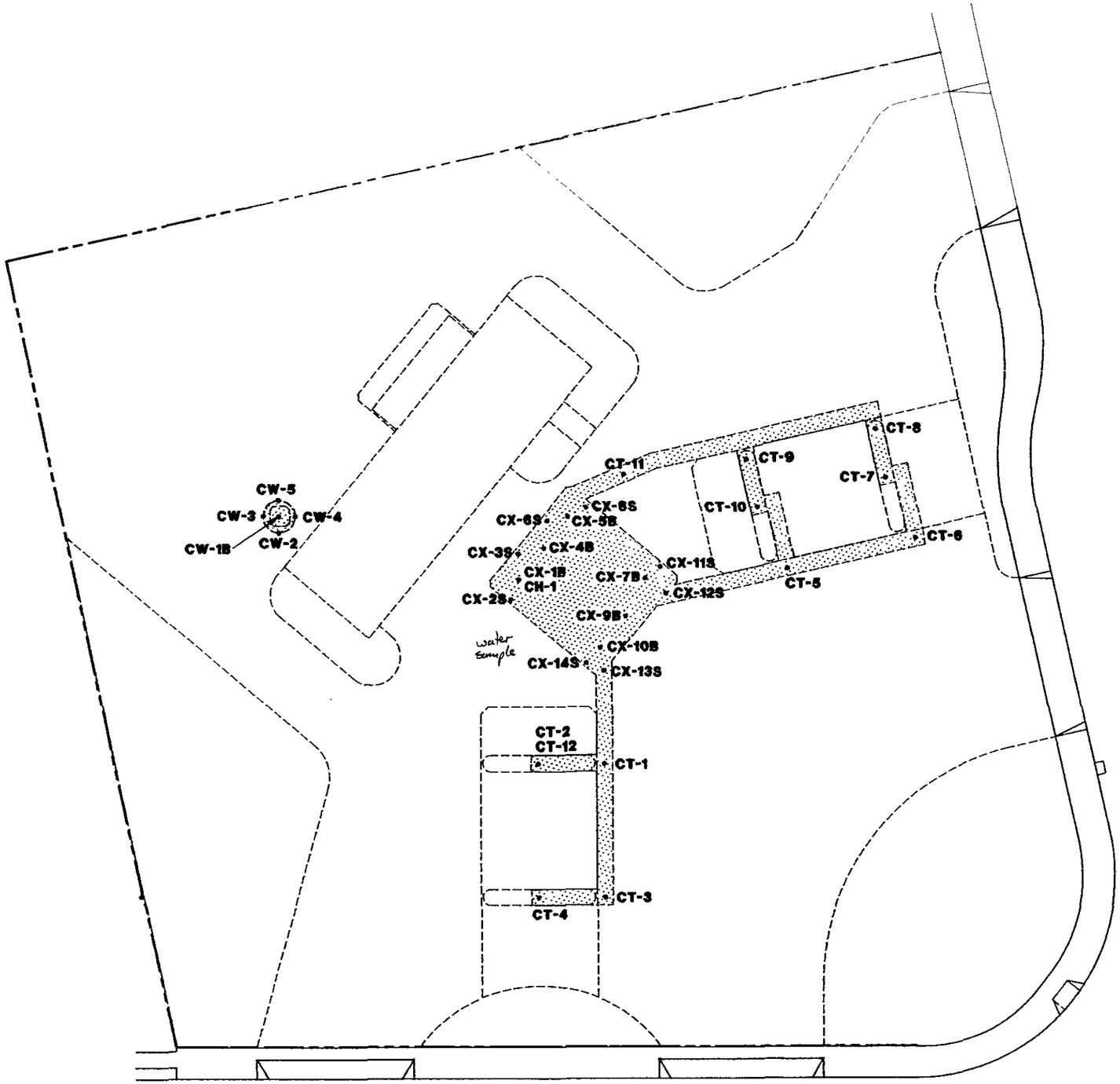
SITE PLAN
Former Chevron Service Station #5630
997 Grant Avenue
San Lorenzo, California

PLATE **2**

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
727802-3	RSY	8/91	

EXPLANATION

- **CH** Water sample
- **CX** Excavation sample
- **CT** Trench sample
- **CW** Waste oil sample
- **S** Sidewall
- **B** Bottom
- Excavated trench and pit area



Base Map: Field observations

Soils kept in place.

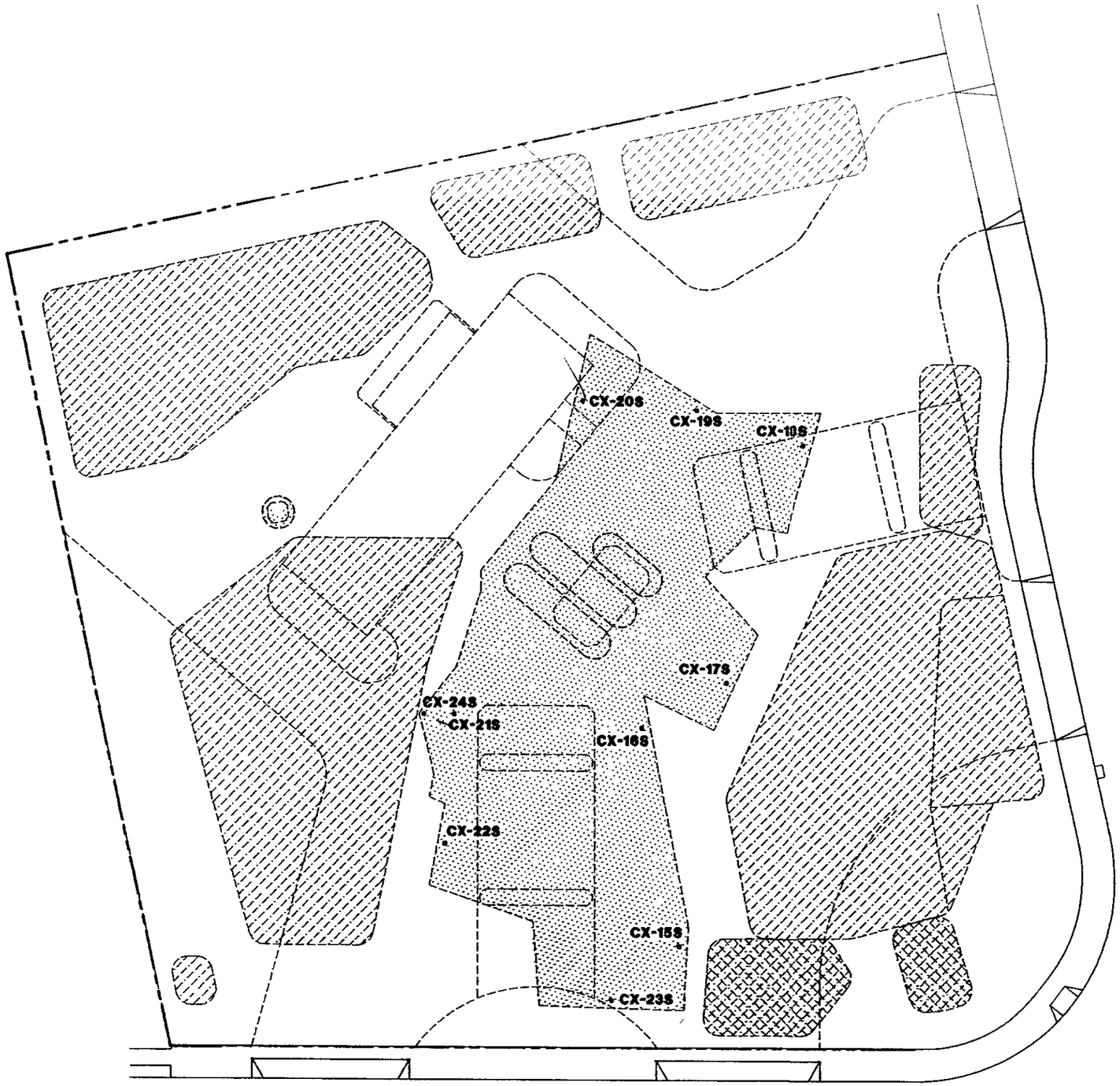
PLATE 3

EXCAVATION SAMPLE MAP
Former Chevron Service Station #5630
997 Grant Avenue
San Lorenzo, California

GeoStrategies Inc.

GSI

JOB NUMBER	DATE	REVIEWED BY	REVISED DATE
727802-3	8/91	JSY	



EXPLANATION

- CX — Soil Sample
- S — Sidewall
- Excavated area
- Soil Stockpile
- Soil removed from site

Base Map: Field observations

0 30

Scale in Feet

PLATE 4

STOCKPILE LOCATION AND OVEREXCAVATION SAMPLE MAP
Former Chevron Service Station #5630
997 Grant Avenue
San Lorenzo, California

GeoStrategies Inc.

JOB NUMBER 727802-3
REVIEWED BY RLY
DATE 8/91
REVISED DATE

APPENDIX A
ANALYTICAL LABORATORY REPORT
AND CHAIN-OF-CUSTODY

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081

GETTLER-RYAN INC.
GENERAL CONTRACTORS

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

LABORATORY NO.: 11309
CLIENT: Chevron USA
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91

9278.02 JLM

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309- 1	CW-1B	12/18/90	12/28/90
11309- 2	CW-2	12/18/90	12/28/90
11309- 3	CW-3	12/18/90	12/28/90
11309- 4	CW-4	12/18/90	12/28/90
11309- 5	CW-5	12/18/90	12/28/90
11309- 6	CX-1B	12/18/90	12/28/90
11309- 7	CX-2S	12/18/90	12/28/90
11309- 8	CX-3S	12/18/90	12/28/90
11309- 9	CX-4B	12/18/90	12/28/90
11309-10	CX-5B	12/18/90	12/28/90

Laboratory Number:	11309 1	11309 2	11309 3	11309 4	11309 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	ND<50	ND<50	ND<50	ND<50	ND<50
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	0.010	0.007	0.010	ND<.005

Laboratory Number:	11309 6	11309 7	11309 8	11309 9	11309 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	1500	12	6	1700	1600
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	1.2	0.014	0.009	0.40	0.39
TOLUENE:	50	0.100	0.014	31	32
ETHYL BENZENE:	29	0.096	0.100	25	24
XYLENES:	160	0.38	0.075	150	140

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11309
CLIENT: Chevron USA
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-11	CX-6S	12/18/90	12/28/90
11309-12	CX-7B	12/18/90	12/28/90
11309-13	CX-8S	12/18/90	12/28/90
11309-14	CX-9B	12/18/90	12/28/90
11309-15	CX-10B	12/18/90	12/28/90
11309-16	CX-11S	12/18/90	12/28/90
11309-17	CX-12S	12/18/90	12/28/90
11309-18	CX-13S	12/18/90	12/28/90
11309-19	CX-14S	12/18/90	12/29/90
11309-20	CT-1	12/18/90	12/28/90

Laboratory Number:	11309 11	11309 12	11309 13	11309 14	11309 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	6	730	4500	1100	54
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.005	0.89	0.70	ND<0.3	0.026
TOLUENE:	0.013	19	10	9.9	0.23
ETHYL BENZENE:	0.040	11	39	15	0.38
XYLENES:	0.12	62	210	80	1.6

Laboratory Number:	11309 16	11309 17	11309 18	11309 19	11309 20
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	780	220	1900	680	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.35	0.17	0.45	ND<0.3	ND<.005
TOLUENE:	11	0.070	16	6.0	ND<.005
ETHYL BENZENE:	11	7	28	9.6	ND<.005
XYLENES:	65	0.30	160	57	0.009

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11309
CLIENT: Chevron USA
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-21	CT-2	12/18/90	12/28/90
11309-22	CT-3	12/18/90	01/02/91
11309-23	CT-4	12/18/90	12/28/90
11309-24	CT-5	12/18/90	01/02/91
11309-25	CT-6	12/18/90	12/28/90
11309-26	CT-7	12/18/90	12/28/90
11309-27	CT-8	12/18/90	12/28/90
11309-28	CT-9	12/18/90	12/28/90
11309-29	CT-10	12/18/90	12/28/90
11309-30	CT-11	12/18/90	12/28/90

Laboratory Number:	11309 21	11309 22	11309 23	11309 24	11309 25
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	3400	8	8	ND<1	5
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.5	0.12	0.11	0.010	0.031
TOLUENE:	1.7	0.10	0.069	ND<.005	0.010
ETHYL BENZENE:	12	0.35	0.26	ND<.005	ND<.005
XYLENES:	80	0.30	0.15	0.017	0.15

Laboratory Number:	11309 26	11309 27	11309 28	11309 29	11309 30
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2	ND<1	3	13	4
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	0.029	0.45
TOLUENE:	0.006	ND<.005	0.012	0.010	ND<.005
ETHYL BENZENE:	0.007	ND<.005	ND<.005	0.29	0.11
XYLENES:	0.030	0.005	0.030	0.61	0.062

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11309
CLIENT: Chevron USA
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-31	CH-1	12/18/90	01/02/91
11309-32	CS1 A,B,C,D COMP	12/18/90	01/02/91
11309-33	CS2 A,B,C,D COMP	12/18/90	01/02/91
11309-34	CS3 A,B,C,D COMP	12/18/90	12/29/90
11309-35	CS4 A,B,C,D COMP	12/18/90	01/02/91
11309-36	CS5 A,B,C,D COMP	12/18/90	01/02/91
11309-37	CS6 A,B,C,D COMP	12/18/90	01/02/91
11309-38	CS7 A,B,C,D COMP	12/18/90	12/29/90
11309-39	CS8 A,B,C,D COMP	12/18/90	12/29/90

Laboratory Number:	11309 31	11309 32	11309 33	11309 34	11309 35
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	8	180	63	ND<1	110
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	7.8	0.052	ND<.050	ND<.005	0.048
TOLUENE:	19	0.35	ND<.050	ND<.005	0.16
ETHYL BENZENE:	2.7	0.41	0.24	ND<.005	0.44
XYLENES:	17	6.1	1.2	0.009	4.2

Laboratory Number:	11309 36	11309 37	11309 38	11309 39
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)			
OIL AND GREASE:	ND<50	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	50	150	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	ND<.005	ND<0.05	ND<0.3	ND<.005
TOLUENE:	ND<.005	0.086	1.0	ND<.005
ETHYL BENZENE:	ND<.005	0.13	1.5	ND<.005
XYLENES:	0.010	0.69	12	0.007

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11309

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 10/22/90

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	10/16/90	10mg	81	9	50-130
Diesel	NA	NA	NA	NA	NA
Gasoline	10/22/90	200ng	92/93	1	75-125
Benzene	10/22/90	200ng	99/101	2	60-135
Toluene	10/22/90	200ng	97/98	2	60-135
Ethyl Benzene	10/22/90	200ng	97/99	2	60-135
Total Xylene	10/22/90	600ng	97/98	1	60-135

Richard Srna, Ph.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-5
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-5

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	99%	76-114	81-117
Toluene-d8.....	104%	88-110	81-140
Bromofluorobenzene.....	94%	86-115	74-121

comments:

Richard Srna, Ph.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-4
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-4

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	100%	76-114	81-117
Toluene-d8.....	101%	88-110	81-140
Bromofluorobenzene.....	96%	86-115	74-121

comments:

Richard Srna, PH.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-3
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-3

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	100%	76-114	81-117
Toluene-d8.....	103%	88-110	81-140
Bromofluorobenzene.....	96%	86-115	74-121

comments:

Richard Srna, Ph.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-2
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-2

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone(MDL=50)	77
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	100%	76-114	81-117
Toluene-d8.....	98%	88-110	81-140
Bromofluorobenzene.....	97%	86-115	74-121

comments:

Richard Srna, Ph.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-1
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-1B

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	98%	76-114	81-117
Toluene-d8.....	101%	88-110	81-140
Bromofluorobenzene.....	99%	86-115	74-121

comments:

Richard Srna, Ph.D.
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-37
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CS5 A,B,C,D Comp

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)
QC DATA:

Surrogate Recoveries		QC Limits water	QC Limits soil
1,2-DCA-d4.....	101%	76-114	81-117
Toluene-d8.....	100%	88-110	81-140
Bromofluorobenzene.....	98%	86-115	74-121

comments:

Richard Srna, Ph.D.
Laboratory Director

11309 52931

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Avenue San Lorenzo
Consultant Project Number: 7278
Consultant Name: Gettler Ryan Inc
Address: 2150 W. Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 415-352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone):
Laboratory Name: Superior Analytical
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 12-18,19-90
Signature: Clyde Galantine

Analyses To Be Performed

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	TOC, ICAP metals 8240	5 metals as needs	per phone conversation 12-20-90 with Jeff Monroe - IRJ			Remarks
CW-1B	1	S	G	14:00		Y	X							X					
CW-2→5	4	S	G	14:00		Y	X							X					
CX-1B	1			14:30		Y	X												
CX-2S				14:30															
CX-3S				14:30															
CX-4B				14:30															
CX-5B				14:30															
CX-6S				14:45															
CX-7B				14:45															
CX-8S				14:45															
CX-9B				14:45															
CX-10B				15:00															
CX-11S				15:00															
CX-12S	↓	↓	↓	15:00		↓	↓												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Clyde Galantine	GSI	12-19, 1:10	Bw Bo	G/R	12/19/91 1:11	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
						5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
Bw Bo	G/R	12/19/90 1742	M. Holdenberg 12/19/90		1745	As Contracted

11309 52931

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 7278
Consultant Name Gettler-Ryan Inc
Address 2150 W. Winton Hayward
Project Contact (Name) Jeff Kuroe
(Phone) 415-352-4800 (Fax Number)

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 424721C
Samples Collected by (Name) Clyde Galantine
Collection Date 12-18,19-90
Signature Clyde Galantine

7831089

Analyses To Be Performed

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	TOG, 8240 ICAP Metals	5 metals as per above conversion w/ the Teff Manual 12-20-90 pkp	Remarks
CX-13S	1	S	G	15:00		Y	X									
CX-14S	1	S	G	15:00		Y	X									
CT-1→11	11	S	G	15:30		Y	X									
CH-1	1	W	G	17:00		Y	X									
CS1A-D	4	S	C	11:00										X		Composite A-D of each # into 1 sample
CS2A-D	4		C	11:00												
CS3A-D	4		C	11:30												
CS4A-D	4		C	12:00												
CS5A-D	4		C	12:00										X		
CS6A-D	4		C	12:30												
CS7A-D	4		C	12:30												
CS8A-D	4		C	1:00												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GST	12-19/1:10			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G/R	12/19/90 17:47		G/R	12/19/90 1:11
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			M. Goldenberg		12/19/90 17:45

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82154
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278

DATE RECEIVED:12/19/90
DATE REPORTED:01/03/91

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD & ZINC
by EPA SW-846 Methods 7130, 7190, 7420, 7950 Respectively

LAB #	Sample Identification	Concentration(mg/Kg) Cadmium	Chromium	Lead	Zinc
1	CW-1B	ND<0.6	25	ND<10	38
2	CW-2	ND<0.6	21	ND<10	32
3	CW-3	ND<0.6	18	ND<10	27
4	CW-4	ND<0.6	14	ND<10	34
5	CW-5	ND<0.6	21	ND<10	47
6	CS5 A-D	ND<0.6	15	ND<10	100

mg/Kg - parts per million (ppm)

Method Detection Limit for Cadmium in Soil: 0.6 mg/Kg
Method Detection Limit for Chromium in Soil: 6 mg/Kg
Method Detection Limit for Lead in Soil: 10 mg/Kg
Method Detection Limit for Zinc in Soil: 0.2 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 78%
Duplicate RPD : <1

Richard Srna, Ph.D.

Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

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

LABORATORY NO.: 82154
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90
DATE REPORTED: 01/03/91

ANALYSIS FOR TOTAL NICKEL
by SW-846 Method 7520

LAB #	Sample Identification	Concentration (mg/Kg) Total Nickel
1	CW-1B	33
2	CW-2	27
3	CW-3	22
4	CW-4	22
5	CW-5	27
6	CS5 A-D	21

mg/Kg - parts per million (ppm)

Method Detection Limit for Nickel in Soil: 3 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 71%
Duplicate RPD : 16

Richard Srna, Ph.D.

Laboratory Manager

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Avenue San Lorenzo
Consultant Project Number: 7278
Consultant Name: Gettler Ryan Inc
Address: 2150 W. Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 415-352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Analytical
Laboratory Release Number: 424 7210
Samples Collected by (Name): Clyde Galantine
Collection Date: 12-18-19-90
Signature: Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)	TOG, TCAP Metals 8240					Remarks
CW-1B	1	S	G	13:00		Y	X							X					
CW-2→5	4	S	G	14:00		Y	X							X					
CX-1B	1			14:30		Y	X												
CX-2S				14:30															
CX-3S				14:30															
CX-4B				14:30															
CX-5B				14:30															
CX-6S				14:45															
CX-7B				14:45															
CX-8S				14:45															
CX-9B				14:45															
CX-10B				15:00															
CX-11S				15:00															
CX-12S	↓	↓	↓	15:00		↓	↓												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	12-19/1:10	Bill Bo	G/R	12/19/91 1:11
Relinquished By (Signature).	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time 1742	Received For Laboratory By (Signature)		Date/Time
Bill Bo	G/R	12/19/90	M. Hollenbeck 12/		

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

COC-1.DWG /... 9C-...

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave. San Lorenzo
Consultant Project Number: 7278
Consultant Name: Geotter-Ryan Inc
Address: 2150 W. Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 415-352-4800 (Fax Number)

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Analytical
Laboratory Release Number: 424721C
Samples Collected by (Name): Clyde Galantine
Collection Date: 12-18, 19-90
Signature: Clyde Galantine

7831089

Analyses To Be Performed

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	TOG, 8240 ICAP Metals					Remarks
CX-13S	1	S	G	15:00		Y	X												
CX-14S	1	S	G	15:00		Y	X												
CT-1→11	11	S	G	15:30		Y	X												
CH-1	1	W	G	17:00		Y	X												
CS1A-D	4	S	C	11:00															Composite A-D of each # into 1 sample
CS2A-D	4		C	11:00															
CS3A-D	4		C	11:30															
CS4A-D	4		C	12:00															
CS5A-D	4		C	12:00															
CS6A-D	4		C	12:30										X					
CS7A-D	4		C	12:30															
CS8A-D	4		C	1:00															

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GST	12-19/1:10		G/R	12/19/90 1:11
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G/R	12/19/90 17:42			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			M. Gallenberg	12/19/90	17:45

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

RECEIVED

JAN 16 1991

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319.
DOHS #220

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

LABORATORY NO.: 82268
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278 02

DATE RECEIVED: 01/11/91
DATE REPORTED: 01/11/91

ANALYSIS FOR TOTAL ORGANIC LEAD
by DHS Method (LUFT Manual)

LAB #	Sample Identification	Concentration (mg/Kg)
1	C2-1 (A-D) COMP	ND<2

C2-1

mg/kg - parts per million (ppm)

Method Detection Limit for Organic Lead in Soil: 2 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 99%
Duplicate RPD : 1

Richard Srna, Ph.D.

Laboratory Manager

#9278.02
JLM

OUTSTANDING QUALITY AND SERVICE

Gettler - Ryan Inc. ENVIRONMENTAL DIVISION **Chain of Custody**

COMPANY Chevron JOB NO. 7278 02

JOB LOCATION Grant St. San Lorenzo

CITY San Lorenzo PHONE NO.

AUTHORIZED Jeff Monroe DATE 1-11-91 P.O. NO.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
~~C2→4~~					
C2-1A→D	4	Soil	1-10-91/3:30	Organic Pb	

RELINQUISHED BY: Clyde Eckstein 1-11-91/8:50 RECEIVED BY: Emma Walter x672 1/11/90 0850

RELINQUISHED BY: RECEIVED BY:

RELINQUISHED BY: RECEIVED BY LAB:

DESIGNATED LABORATORY: Superior DHS #:

REMARKS: Composite to 1

5 day TAT

DATE COMPLETED FOREMAN

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081

DOHS #1332

GETTLER-RYAN INC.
GENERAL CONTRACTORS

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11393
CLIENT: Chevron USA Inc.
CLIENT JOB NO.: 727802

DATE RECEIVED: 01/18/91
DATE REPORTED: 01/28/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11393- 1	CT-12	01/15/91	01/24/91
11393- 2	CS-9A,B,C,D	01/15/91	01/24/91
11393- 3	CS-10,A,B,C,D	01/15/91	01/24/91
11393- 4	CS-11,A,B,C,D	01/15/91	01/24/91
11393- 5	CS-12,A,B,C,D	01/15/91	01/24/91
11393- 6	CS-13,A,B,C,D	01/15/91	01/24/91
11393- 7	CS-14,A,B,C,D	01/15/91	01/24/91
11393- 8	CS-15A,B,C,D	01/15/91	01/24/91
11393- 9	CS-16A,B,C,D	01/15/91	01/24/91
11393-10	CS-17A,B,C,D	01/15/91	01/24/91

Laboratory Number:	11393 1	11393 2	11393 3	11393 4	11393 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	6000	98	300	99	230
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.500	ND<.019	ND<.030	ND<.150	ND<.030
TOLUENE:	17	.023	.068	ND<.150	.260
ETHYL BENZENE:	56	.031	.220	.280	.590
XYLENES:	400	.94	7	3	6

Laboratory Number:	11393 6	11393 7	11393 8	11393 9	11393 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	220	63
TPH/GASOLINE RANGE:	86	78	45	24	63
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.150	ND<.150	.040	ND<.010	ND<.015
TOLUENE:	.250	ND<.150	.031	.011	.062
ETHYL BENZENE:	.250	.190	.100	.035	.092
XYLENES:	3	3	.690	.120	.160

#9278.02

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11393 DATE RECEIVED: 01/18/91
CLIENT: Chevron USA Inc. DATE REPORTED: 01/28/91
CLIENT JOB NO.: 727802

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11393-11	CS-18A,B,C,D	01/15/91	01/24/91
11393-12	CS-19A,B,C,D	01/15/91	01/24/91
11393-13	CS-20A,B,C,D	01/15/91	01/24/91
11393-14	CS-21A,B,C,D	01/15/91	01/24/91
11393-15	CS-22A,B,C,D	01/15/91	01/24/91
11393-16	CS-23A,B,C,D	01/15/91	01/24/91
11393-17	CS-24A,B,C,D	01/15/91	01/24/91
11393-18	CS-25A,B,C,D	01/15/91	01/24/91

Laboratory Number:	11393 11	11393 12	11393 13	11393 14	11393 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	610	NA	NA	NA	NA
TPH/GASOLINE RANGE:	36	600	26	49	20
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.010	ND<.150	ND<.018	ND<.013	ND<.012
TOLUENE:	.038	.190	.051	.032	ND<.012
ETHYL BENZENE:	.019	2	ND<.018	ND<.013	ND<.012
XYLENES:	.260	12	.043	1	0.500

Laboratory Number:	11393 16	11393 17	11393 18
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)		
OIL AND GREASE:	NA	NA	NA
TPH/GASOLINE RANGE:	8	7	ND<1
TPH/DIESEL RANGE:	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	.008	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005
XYLENES:	.200	.029	.006

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11393

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 01/09/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	10/16/90	10mg	85	13	50-130
Diesel	NA	NA	NA	NA	NA
Gasoline	01/09/91	200ng	78/93	18	75-125
Benzene	01/09/91	200ng	87/87	0.6	60-135
Toluene	01/09/91	200ng	85/87	2	60-135
Ethyl Benzene	01/09/91	200ng	86/90	5	60-135
Total Xylene	01/09/91	600ng	87/89	2	60-135

Richard Srna, Ph.D.

Laboratory Director

11393 4G 1 of 2

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave, San Lorenzo
Consultant Project Number 727802
Consultant Name Gettler Ryan Inc
Address 2150 W. Winton Hayward
Project Contact (Name) Jeff Monroe
(Phone) 415-352-4800 (Fax Number) 783-1089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galantine
Collection Date 1-15, 16, 17-91
Signature Clyde Galantine

Analyses To Be Performed

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)				Remarks
CT-12	1	S	G	9:15		Y	X										
CS-9A→D	4	↓	C	9:45		↓	↓										
CS-10A→D	↓		↓	10:00													
CS-11A→D				10:15													
CS-12A→D				10:30													
CS-13A→D				10:45													
CS-14A→D				11:00													
CS-15A→D				11:15													
CS-16A→D				11:30				X									
CS-17A→D				11:45				X									
CS-18A→D				12:00				X									
CS-19A→D				2:30													
CS-20A→D				2:45													
CS-21A→D	↓	↓	↓	3:00		↓	↓										

RECEIVED
JAN 30 1991
GETTLER-RYAN, INC.
GENERAL CONTRACTORS

Samples Stored in ice
Appropriate containers
Samples preserved NA
VOA's without headspace
Comments:

Composite 4's to 1

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	1-18 / 7:00	BW Bo	G/R	1/18/91 701
BW	G/R	1-18-91 858			
			Received For Laboratory By (Signature): Cecilia G Jorquin		1/18/91 858

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

KC 2042

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 727802
Consultant Name Getter Ryan Inc
Address 2150 W. Winton Hayward
Project Contact (Name) Jeff Monroe
(Phone) 415-352-4800 (Fax Number) 783-4089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galantine
Collection Date 1-15,16,17-91
Signature Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)	Remarks
15 CS-22A→D	4	S	C	3:15		Y	X							
16 CS-23A→D	4	↓	↓	3:30		↓	↓							
17 CS-24A→D	4	↓	↓	3:45		↓	↓							
CS-25A→D	4	↓	↓	4:00		↓	↓							

Please initial: CYC
Samples Stored in ice Yes
Appropriate containers. Yes
Samples preserved. NA
VOA headspace. NA
Comments:

Composite 4's to 1

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	1-18/7:00	Bev Dar	G/R	1/18/91 7:01
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Bev Dar	G/R	1-18-91 858	—		
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
—			Cecilia D Jorgun		1/18/91 858

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

COS-1.DWG 1** 96-10H

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11513
CLIENT: Chevron, USA
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 02/19/91
DATE REPORTED: 02/27/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11513- 1	CX-15S	02/15/91	02/25/91
11513- 2	CX-16S	02/15/91	02/25/91
11513- 3	CX-17S	02/15/91	02/25/91
11513- 4	CX-18S	02/15/91	02/25/91
11513- 5	CX-19S	02/15/91	02/25/91
11513- 6	CX-20S	02/15/91	02/25/91
11513- 7	CX-21S	02/15/91	02/25/91
11513- 8	CX-22S	02/15/91	02/25/91
11513- 9	CX-23S	02/15/91	02/25/91

Laboratory Number:	11513 1	11513 2	11513 3	11513 4	11513 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	3	2	ND<1	2	46
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	0.056	0.008	ND<.030
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.046
ETHYL BENZENE:	0.014	0.011	ND<.005	0.019	0.18
XYLENES:	0.008	0.013	0.011	0.006	0.41

Laboratory Number:	11513 6	11513 7	11513 8	11513 9
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)			
OIL AND GREASE:	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	170	54	270
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	ND<.005	0.037	0.024	0.011
TOLUENE:	ND<.005	0.075	0.038	0.093
ETHYL BENZENE:	ND<.005	2	0.25	3
XYLENES:	ND<.005	4	0.83	9

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081 DOHS #1332

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

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11513

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 01/28/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	08/24/90	200ng	83/83	0.3	58-120
Benzene	01/28/91	200ng	90/85	5.7	65-121
Toluene	01/28/91	200ng	91/88	3.9	65-120
Ethyl Benzene	01/28/91	200ng	94/91	3.8	65-122
Total Xylene	01/28/91	600ng	94/92	2.0	65-122

Richard Srna, Ph.D.
Cecilia G. Jocoquin (for)
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

MOCK INVOICE

Chevron USA
P.O. Box 5004
San Ramon, CA 94583

Date: 02/27/91
Date Rcvd: 02/19/91
Date Rptd: 02/27/91
Our Job #: 11513
Invoice #: 11513

Gettler Ryan Inc. Job # 7278.02
Chevron USA Release # 4247210 Facility #: 5630

QTY/MATRIX	ANALYSIS	EXT. PRICE
9 SOIL	sample(s) for VPH-BTXE @ $0.00 (NORMAL)	0.00
TOTAL INVOICE		0.00

Please Send Payment To:
Superior Analytical Labs
P.O. Box 1545
Martinez, CA 94553

TERMS: NET 30
A charge of 1.5% per month may be applied to unpaid balances

OUTSTANDING QUALITY AND SERVICE

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 727802
Consultant Name Getler Ryan Inc
Address 2150 W. Winton Hayward
Project Contact (Name) Jeff Monroe
(Phone) 415-352-4800 (Fax Number) 783-1089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4247218
Samples Collected by (Name) Clyde Galantine
Collection Date 2-15-91
Signature Clyde Galantine

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
							Analyses To Be Performed											
CX-15S	1	S	G	10:25		X												
CX-16S	1			10:30														
CX-17S	1			10:32														
CX-18S	1			10:35														
CX-19S	1			10:40														
CX-20S	1			10:45														
CX-21S	1			10:50														
CX-22S	1			10:55														
CX-23S	1			11:00														

Please initial:
~~Samples Stored in ice.~~
Appropriate containers.
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	2-15/14:00	Laura Jordan	EXPRESS-IT	2-15-91 1402
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Laura Jordan	EXPRESS-IT	2-15-91 1440	Tom Hood	EX-IT	2/19/1220
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
Tom Hood	EX-IT	2/19 1340			2/19/91 1340

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

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-15

MAR 5 1991

GETTLER-RYAN INC.
GENERAL CONTRACTORS
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82537
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 02/26/91
DATE REPORTED: 03/01/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
82537- 1	CS-26A-D	02/20/91	02/28/91
82537- 2	CS-27A-D	02/20/91	02/28/91
82537- 3	CS-28A-D	02/20/91	02/28/91
82537- 4	CS-29A-D	02/20/91	02/28/91
82537- 5	CS-30A-D	02/20/91	02/28/91
82537- 6	CS-31A-D	02/20/91	02/28/91
82537- 7	CS-32A-D	02/20/91	02/28/91
82537- 8	CS-33A-D	02/20/91	02/28/91
82537- 9	CS-34A-D	02/20/91	02/28/91
82537-10	CS-35A-D	02/20/91	02/28/91

Laboratory Number:	82537 1	82537 2	82537 3	82537 4	82537 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	65	NA	NA	NA	NA
TPH/GASOLINE RANGE:	14	2	24	10	11
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
TOLUENE:	0.058	ND<0.005	0.037	0.023	0.019
ETHYL BENZENE:	0.053	ND<0.005	0.044	0.037	0.012
XYLENES:	0.12	0.014	0.17	0.049	0.037

Laboratory Number:	82537 6	82537 7	82537 8	82537 9	82537 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2	7	15	43	32
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
TOLUENE:	0.005	0.017	0.025	0.064	0.030
ETHYL BENZENE:	0.005	0.019	0.028	0.39	0.035
XYLENES:	0.021	0.053	0.078	1.4	0.086

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82537
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 02/26/91
DATE REPORTED: 02/28/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
82537-11	CS-36A-D	02/20/91	02/28/91
82537-12	CS-37A-D	02/20/91	02/28/91
82537-13	CS-38A-D	02/20/91	02/28/91
82537-14	CS-39A-D	02/20/91	02/28/91
82537-15	CS-40A-D	02/20/91	02/28/91
82537-16	CS-41A-D	02/20/91	02/28/91
82537-17	CS-42A-D	02/20/91	02/28/91
82537-18	CS-43A-D	02/20/91	02/28/91
82537-19	CS-44A-D	02/20/91	02/28/91
82537-20	CS-45A-D	02/20/91	02/28/91

Laboratory Number:	82537 11	82537 12	82537 13	82537 14	82537 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	27	12	ND<1	2	1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<.005
TOLUENE:	0.054	0.023	ND<0.005	ND<0.005	ND<0.005
ETHYL BENZENE:	0.11	0.022	ND<0.005	ND<0.005	ND<0.005
XYLENES:	0.66	0.063	0.005	0.009	0.011

Laboratory Number:	82537 16	82537 17	82537 18	82537 19	82537 20
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	5	12	26	44
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.005	ND<0.005	ND<0.005	0.018	ND<0.005
TOLUENE:	ND<0.005	0.009	0.029	0.140	0.099
ETHYL BENZENE:	ND<0.005	0.006	0.012	0.067	0.13
XYLENES:	0.005	0.017	0.065	0.960	0.68

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82537
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 02/26/91
DATE REPORTED: 02/28/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
82537-21	CS-46A-D	02/20/91	02/28/91
82537-22	CS-47A-D	02/20/91	02/28/91
82537-23	CS-48A-D	02/20/91	02/28/91
82537-24	CS-49A-D	02/20/91	02/28/91
82537-25	CS-50A-D	02/20/91	02/28/91

Laboratory Number:	82537 21	82537 22	82537 23	82537 24	82537 25
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	19	36	550	60	9
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.005	ND<0.005	ND<0.038	ND<0.005	ND<0.005
TOLUENE:	0.040	0.059	0.35	0.070	0.026
ETHYL BENZENE:	0.055	0.062	2.0	0.049	0.012
XYLENES:	0.19	0.28	17	0.190	0.033

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 82537

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 01/08/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 02/27/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	02/28/91	30 ppm	113	4	56-106
Diesel	NA	NA	NA	NA	NA
Gasoline	10/25/90	200 ng	106	6	70-130
Benzene	02/27/91	200 ng	85	1	70-130
Toluene	02/27/91	200 ng	83	1	70-130
Ethyl Benzene	02/27/91	200 ng	87	0	70-130
Total Xylene	02/27/91	200 ng	91	1	70-130

Richard Srna, Ph.D.
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave San Lorenzo
Consultant Project Number: 7278.02
Consultant Name: Getler Ryan
Address: 2150 W Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Analytical
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 2-20, 21-91
Signature: Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)	TOG						Remarks
CS-26A→D	4	S	G	13:00	2-20	Y	X							X						Composit
CS-27A→D	4			14:00																all 4's to
CS-28A→D	4			14:15																
CS-29A→D	4			14:30																
CS-30A→D	4			14:45																
CS-31A→D	4			15:00																
CS-32A→D	4			15:15																
CS-33A→D	4			15:30																
CS-34A→D	4			15:45																
CS-35A→D	4			16:00	↓															
CS-36A→D	4			8:00	2-21															
CS-37A→D	4			8:15																
CS-38A→D	4			8:30																
CS-39A→D	4			8:45	↓															

Normal TAT

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GST	2-22-91 9:00	BW Bar	G/R	2-22-91 901
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
BW Bar	G/R	2-22-91 1155			
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature)		Date/Time
					2/22/91

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

COC-1.DWG / ... 8/91

8255T

Chain-of-Custody-Recor

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 7278.02
Consultant Name Getler Ryan
Address 2150 W Winto Hayward
Project Contact (Name) Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galantine
Collection Date 2-21-91
Signature Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)						Remarks
CS-40A→D	4	S	G	9:00	2-21	Y	X												
CS-41A→D	4			9:15															Comp all 4s to I
CS-42A→D	4			9:30															
CS-43A→D	4			9:45															
CS-44A→D	4			10:00															
CS-45A→D	4			10:15															
CS-46A→D	4			10:30															
CS-47A→D	4			10:45															
CS-48A→D	4			11:00															
CS-49A→D	4			11:15															
CS-50A→D	4			11:30	V														

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galanta	GSI	2-22-91/9:00	Bw Bo	C/A	2-22-91 961
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Bw Bo	C/A	2-22-91 1155			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Clarence Hyde		2/22/91

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

COC-1.DWG 8/91

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11556
CLIENT: Chevron USA
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 03/01/91
DATE REPORTED: 03/12/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11556- 1	CS-51 A>D	02/26/91	03/08/91
11556- 2	CS-52 A>D	02/26/91	03/11/91
11556- 3	CS-53 A>D	02/26/91	03/08/91
11556- 4	CS-54 A>D	02/26/91	03/08/91
11556- 5	CS-55 A>D	02/26/91	03/08/91
11556- 6	CS-56 A>D	02/26/91	03/08/91
11556- 7	CS-57 A>D	02/26/91	03/11/91
11556- 8	CS-58 A>D	02/26/91	03/08/91
11556- 9	CS-59 A>D	02/26/91	03/08/91
11556-10	CS-60 A>D	02/26/91	03/08/91

Laboratory Number:	11556 1	11556 2	11556 3	11556 4	11556 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	0.006	ND<.005	ND<.005	ND<.005

Laboratory Number:	11556 6	11556 7	11556 8	11556 9	11556 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.006
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11556
CLIENT: Chevron USA
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 03/01/91
DATE REPORTED: 03/12/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11556-11	CS-61 A>D	02/26/91	03/08/91
11556-12	CS-62 A>D	02/27/91	03/08/91
11556-13	CS-63 A>D	02/27/91	03/11/91
11556-14	CS-64 A>D	02/27/91	03/08/91
11556-15	CS-65 A>D	02/28/91	03/08/91
11556-16	CS-66 A>D	02/28/91	03/11/91
11556-17	CS-67 A>D	02/28/91	03/08/91
11556-18	CS-68 A>D	02/28/91	03/08/91
11556-19	CS-69 A>D	02/28/91	03/08/91
11556-20	CS-70 A>D	02/28/91	03/08/91

Laboratory Number:	11556 11	11556 12	11556 13	11556 14	11556 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	3	2	8	6
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	0.006	ND<.005	0.022	0.030
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

Laboratory Number:	11556 16	11556 17	11556 18	11556 19	11556 20
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2	130	1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.030	ND<.005	ND<.005	ND<.005
TOLUENE:	0.011	0.088	0.006	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	0.58	ND<.005	ND<.005	ND<.005
XYLENES:	0.007	3.0	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11556

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 01/28/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	08/24/90	200ng	96/92	4	58-120
Benzene	01/28/91	200ng	83/83	0.6	65-121
Toluene	01/28/91	200ng	88/90	2	65-120
Ethyl Benzene	01/28/91	200ng	92/94	2	65-122
Total Xylene	01/28/91	600ng	95/97	2	65-122

Richard Srna, Ph.D.
Cecilia G. Jongsma (for)
Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081 DOHS #1332

MOCK INVOICE

Chevron USA
P.O. Box 5004
San Ramon, CA 94583

Date: 03/12/91
Date Rcvd: 03/01/91
Date Rptd: 03/12/91
Our Job #: 11556
Invoice #: 11556

Gettler Ryan Inc. Job # 7278.02
Chevron USA Release # 4247210 Facility #: 5630

QTY/MATRIX	ANALYSIS	EXT. PRICE
20 SOIL	sample(s) for COMP @ $0.00 (NORMAL)	0.00
20 SOIL	sample(s) for VPH-BTXE @ $0.00 (NORMAL)	0.00
TOTAL INVOICE		0.00

Please Send Payment To:
Superior Analytical Labs
P.O. Box 1545
Martinez, CA 94553

TERMS: NET 30
A charge of 1.5% per month may be applied to unpaid balances

OUTSTANDING QUALITY AND SERVICE

St # 11556

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave Sanlorenzo
Consultant Project Number: 7278.02
Consultant Name: Getter Ryan
Address: 2150 W Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Analytical
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 2-26,27
Signature: Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)					Remarks
CS-51A→D	4	S	GC	1:30	2-26	Y	X											
CS-52A→D	4			1:45			X											Composite 4 to 1
CS-53A→D	4			2:00			X											
CS-54A→D	4			2:15			X											
CS-55A→D	4			2:30			X											
CS-56A→D	4			2:45			X											
CS-57A→D	4			3:00			X											
CS-58A→D	4			3:15			X											
CS-59A→D	4			3:30			X											
CS-60A→D	4			3:45			X											
CS-61A→D	4			4:00	↓		X											
CS-62A→D	4			11:30	2-27		X											
CS-63A→D	4			12:00			X											
CS-64A→D	4			12:30	↓	↓	X											

Please initial: CG
Samples Stored in Ice. Yes
Appropriate containers. ☆
Samples preserved NA
VOA's without headspace. ☆
Comments:

Stack 2

Relinquished By (Signature)	Organization	Date/Time
Clyde Galantine	GSE	7:50
Relinquished By (Signature)	Organization	Date/Time
	C/R	3-1-91 11:05
Relinquished By (Signature)	Organization	Date/Time

Received By (Signature)	Organization	Date/Time
	C/R	3-1-91 07:50
Received By (Signature)	Organization	Date/Time
Received For Laboratory By (Signature)		Date/Time
Cecilia Y. Gonzales		3-1-91 11:05

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

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave San Lorenzo
Consultant Project Number: 7278.02
Consultant Name: Gettler Ryan Inc
Address: 2150 W Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Analytical
Laboratory Release Number: 424 7210
Samples Collected by (Name): Clyde Galantine
Collection Date: 2-28-91
Signature: Clyde Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)					Remarks
CS-65A→D	4	S	G C	10:15	2-28-91	Y	X											Comp 4 to 1
CS-66A→D	4	S	G C	10:30	↓	↓	X											
CS-67A→D	4	S	G C	10:45			X											
CS-68A→D	4	S	G C	11:00			X											
CS-69A→D	4	S	G C	11:15			X											
CS-70A-D	4	S	G C	11:30	↓	↓	X											

Please initial: CSG
Samples Iced: Yes
Appropriate containers: ↓
Samples preserved: NA
VOA's without headspace: ↓
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	3-1 7:50		C/K	3-1-91 01:30
	C/K	3-1-91 11:05		Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Cecilia G. Gonzales		3-1-91 11:05

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

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

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

LABORATORY NO.: 11601
CLIENT: Chevron USA
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 03/08/91
DATE REPORTED: 03/15/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11601- 1	CS-71 A-D COMP	03/07/91	03/14/91
11601- 2	CS-72 A-D COMP	03/07/91	03/14/91
11601- 3	CS-73 A-D COMP	03/07/91	03/15/91
11601- 4	CS-74 A-D COMP	03/07/91	03/14/91
11601- 5	CS-75 A-D COMP	03/07/91	03/15/91
11601- 6	CS-76 A-D COMP	03/08/91	03/14/91
11601- 7	CS-77 A-D COMP	03/08/91	03/15/91
11601- 8	CS-78 A-D COMP	03/08/91	03/18/91
11601- 9	CS-79 A-D COMP	03/08/91	03/14/91
11601-10	CS-80 A-D COMP	03/08/91	03/14/91

Laboratory Number:	11601 1	11601 2	11601 3	11601 4	11601 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	10	16	150	6	85
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.030	ND<.005	ND<.030
TOLUENE:	0.019	0.059	ND<.030	0.018	0.10
ETHYL BENZENE:	0.008	ND<.005	0.041	ND<.005	ND<.030
XYLENES:	0.16	0.026	1.1	0.039	0.13

Laboratory Number:	11601 6	11601 7	11601 8	11601 9	11601 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	39	1300	27	8	13
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.300	ND<.005	ND<.005	ND<.005
TOLUENE:	0.063	1.2	0.026	0.041	0.054
ETHYL BENZENE:	0.033	12	0.052	0.006	ND<.005
XYLENES:	0.27	74	0.28	0.042	0.035

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11601
CLIENT: Chevron USA
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 03/08/91
DATE REPORTED: 03/15/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11601-11	CS-81 A-D COMP	03/08/91	03/14/91
11601-12	CS-82 A-D COMP	03/08/91	03/14/91
11601-13	CS-83 A-D COMP	03/08/91	03/14/91
11601-14	CS-84 A-D COMP	03/08/91	03/14/91
11601-15	CS-85 A-D COMP	03/08/91	03/14/91
11601-16	CS-86 A-D COMP	03/08/91	03/14/91
11601-17	CS-87 A-D COMP	03/08/91	03/14/91
11601-18	CS-88 A-D COMP	03/08/91	03/14/91

Laboratory Number:	11601 11	11601 12	11601 13	11601 14	11601 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	7	5	2	4	2
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	0.049	0.017	12	0.025	0.015
ETHYL BENZENE:	ND<.005	0.037	ND<.005	ND<.005	ND<.005
XYLENES:	0.028	0.21	0.011	0.023	0.011

Laboratory Number:	11601 16	11601 17	11601 18
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)		
OIL AND GREASE:	NA	NA	NA
TPH/GASOLINE RANGE:	3	2	ND<1
TPH/DIESEL RANGE:	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005
TOLUENE:	0.037	0.018	ND<.005
ETHYL BENZENE:	0.009	0.006	ND<.005
XYLENES:	0.029	0.056	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11601

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 01/28/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	08/24/90	200ng	89/88	2	58-120
Benzene	01/28/91	200ng	103/104	2	65-121
Toluene	01/28/91	200ng	100/101	1	65-120
Ethyl Benzene	01/28/91	200ng	101/101	0	65-122
Total Xylene	01/28/91	600ng	104/105	1	65-122

Richard Srna, Ph.D.
Laboratory Director

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant St San Lorenzo
Consultant Project Number 7278C7
Consultant Name Geo Tracker Ryan
Address 2150 W Winton Ave Hayward
Project Contact (Name) Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1059

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior
Laboratory Release Number 4247310
Samples Collected by (Name) Clyde Galantino
Collection Date 3-7 8-91
Signature Clyde Galantino

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)						Remarks
CS-71A→D	4	S	C	G	3:00	3-7	Y	X											
CS-72A→D					3:15														Composite 4's to 1
CS-73A→D					3:30														
CS-74A→D					3:45														
CS-75A→D					4:00	↓													
CS-76A→D					12:00	3-8													
CS-77A→D					12:30														
CS-78A→D					12:45														
CS-79A→D					1:00														
CS-80A→D					1:15														
CS-81A→D					1:30														
CS-82A→D					1:45														
CS-83A→D					2:00														
CS-84A→D					2:15	↓													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantino	GSI	3-8-91/16:00	Frank Stewart	Express-T	3/8/91 1600
Relinquished By (Signature) Frank Stewart	Organization Express-T	Date/Time 3-8-91 1630	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 3/8/91 2041

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

Chain of Custody Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant St San Lorenzo
Consultant Project Number: 7278.02
Consultant Name: Getter Ryan
Address: 2150 W Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior
Laboratory Release Number: 42,7210
Samples Collected by (Name): Clyde Balantine
Collection Date: 3-8-91
Signature: Clyde Balantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)						Remarks
CS-85A>D	4	S	C	2:30	3-S	Y	X												Composite 4's to 1
CS-86A>D	1	1	1	2:45	1	1	1												
CS-87A>D	1	1	1	3:00	1	1	1												
CS-88A>D	↓	↓	↓	3:15	↓	↓	↓												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Balantine	GSI	3-8-91/1600	Paul Stewart	EXPRESS-T	3/8/91 1600
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Paul Stewart	EX-T	3/8/91 1633			
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature)		Date/Time
			[illegible]		3/8/91 2046

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

Western Operations

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

Clayton
ENVIRONMENTAL CONSULTANTS

GETTLER-RYAN INC
GENERAL CONTRACTORS

March 21, 1991

Mr. Jeff Monroe
GETTLER-RYAN INC.
2150 West Winton Avenue
Hayward, CA 94545

Client Ref. 5630/7278.02
Clayton Project No. 91030.68

Dear Mr. Monroe:

Attached is our analytical laboratory report for the samples received on March 7, 1991 from Superior Analytical Laboratory. 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, CIH
Director, Laboratory Services
Western Operations

RHP/dt
Attachments

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	COMP OF CS26 A-D	Date Sampled:	03/07/91
Lab Number:	9103068-01E	Date Received:	03/07/91
Sample Matrix/Media:	SOIL	Date Extracted:	03/12/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
03/18/91	6010	Antimony	<0.1	15	0.1
03/15/91	7060	Arsenic	0.13	5.0	0.05
03/18/91	6010	Barium	4.5	100	0.1
03/18/91	6010	Beryllium	<0.05	0.75	0.05
03/18/91	6010	Cadmium	<0.05	1.0	0.05
--	7196	Chromium VI	--	5	0.1
03/18/91	6010	Chromium	0.1	560	0.1
03/18/91	6010	Cobalt	0.3	80	0.1
03/18/91	6010	Copper	0.2	25	0.1
03/18/91	6010	Lead	0.5	5.0	0.1
03/14/91	7470	Mercury	<0.01	0.2	0.01
03/18/91	6010	Molybdenum	<0.1	350	0.1
03/18/91	6010	Nickel	0.6	20	0.1
03/15/91	7740	Selenium	<0.05	1.0	0.05
03/18/91	6010	Silver	<0.1	5	0.1
03/18/91	6010	Thallium	<0.2	7.0	0.2
03/18/91	6010	Vanadium	0.5	24	0.1
03/18/91	6010	Zinc	6.8	250	0.1

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

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	COMP OF CSX-16A - CSX-16D	Date Sampled:	03/04/91
Lab Number:	9103068-02E	Date Received:	03/07/91
Sample Matrix/Media:	SOIL	Date Extracted:	03/12/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
03/18/91	6010	Antimony	0.2	15	0.1
03/15/91	7060	Arsenic	0.11	5.0	0.05
03/18/91	6010	Barium	4.0	100	0.1
03/18/91	6010	Beryllium	<0.05	0.75	0.05
03/18/91	6010	Cadmium	<0.05	1.0	0.05
--	7196	Chromium VI	--	5	0.1
03/18/91	6010	Chromium	0.1	560	0.1
03/18/91	6010	Cobalt	0.3	80	0.1
03/18/91	6010	Copper	0.4	25	0.1
03/18/91	6010	Lead	1.0	5.0	0.1
03/14/91	7470	Mercury	<0.01	0.2	0.01
03/18/91	6010	Molybdenum	<0.1	350	0.1
03/18/91	6010	Nickel	0.6	20	0.1
03/15/91	7740	Selenium	<0.05	1.0	0.05
03/18/91	6010	Silver	<0.1	5	0.1
03/18/91	6010	Thallium	<0.2	7.0	0.2
03/18/91	6010	Vanadium	0.5	24	0.1
03/18/91	6010	Zinc	2.9	250	0.1

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

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	COMP OF CSX-17A - CSX-17D	Date Sampled:	03/04/91
Lab Number:	9103068-03E	Date Received:	03/07/91
Sample Matrix/Media:	SOIL	Date Extracted:	03/12/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
03/18/91	6010	Antimony	0.2	15	0.1
03/15/91	7060	Arsenic	0.12	5.0	0.05
03/18/91	6010	Barium	4.8	100	0.1
03/18/91	6010	Beryllium	<0.05	0.75	0.05
03/18/91	6010	Cadmium	<0.05	1.0	0.05
--	7196	Chromium VI	--	5	0.1
03/18/91	6010	Chromium	0.2	560	0.1
03/18/91	6010	Cobalt	0.3	80	0.1
03/18/91	6010	Copper	0.5	25	0.1
03/18/91	6010	Lead	1.7	5.0	0.1
03/14/91	7470	Mercury	<0.01	0.2	0.01
03/18/91	6010	Molybdenum	<0.1	350	0.1
03/18/91	6010	Nickel	0.8	20	0.1
03/15/91	7740	Selenium	<0.05	1.0	0.05
03/18/91	6010	Silver	<0.1	5	0.1
03/18/91	6010	Thallium	<0.2	7.0	0.2
03/18/91	6010	Vanadium	0.6	24	0.1
03/18/91	6010	Zinc	4.7	250	0.1

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

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	COMP OF CSX-18A - CXS-18D	Date Sampled:	03/04/91
Lab Number:	9103068-04E	Date Received:	03/07/91
Sample Matrix/Media:	SOIL	Date Extracted:	03/12/91
Extraction Method:	22CAC66700	Date Analyzed:	See below
Analytical Method:	See below		

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
03/18/91	6010	Antimony	0.2	15	0.1
03/15/91	7060	Arsenic	0.12	5.0	0.05
03/18/91	6010	Barium	4.8	100	0.1
03/18/91	6010	Beryllium	<0.05	0.75	0.05
03/18/91	6010	Cadmium	<0.05	1.0	0.05
--	7196	Chromium VI	--	5	0.1
03/18/91	6010	Chromium	0.2	560	0.1
03/18/91	6010	Cobalt	0.3	80	0.1
03/18/91	6010	Copper	1.0	25	0.1
03/18/91	6010	Lead	1.9	5.0	0.1
03/14/91	7470	Mercury	<0.01	0.2	0.01
03/18/91	6010	Molybdenum	<0.1	350	0.1
03/18/91	6010	Nickel	0.8	20	0.1
03/15/91	7740	Selenium	<0.05	1.0	0.05
03/18/91	6010	Silver	<0.1	5	0.1
03/18/91	6010	Thallium	<0.2	7.0	0.2
03/18/91	6010	Vanadium	0.5	24	0.1
03/18/91	6010	Zinc	4.9	250	0.1

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

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification: METHOD BLANK
Lab Number: 9103068-05A
Sample Matrix/Media: SOIL
Extraction Method: 22CAC66700
Analytical Method: See below

Date Sampled: --
Date Received: --
Date Extracted: 03/12/91
Date Analyzed: See below

Date Analyzed	Method No.	Analyte	Extract Concentration (mg/L)	STLC* (mg/L)	Limit of Detection (mg/L)
Soluble Threshold Limit Concentration Analysis					
03/18/91	6010	Antimony	<0.1	15	0.1
03/15/91	7060	Arsenic	<0.05	5.0	0.05
03/18/91	6010	Barium	<0.1	100	0.1
03/18/91	6010	Beryllium	<0.05	0.75	0.05
03/18/91	6010	Cadmium	<0.05	1.0	0.05
--	7196	Chromium VI	--	5	0.1
03/18/91	6010	Chromium	<0.1	560	0.1
03/18/91	6010	Cobalt	<0.1	80	0.1
03/18/91	6010	Copper	<0.1	25	0.1
03/18/91	6010	Lead	<0.1	5.0	0.1
03/14/91	7470	Mercury	<0.01	0.2	0.01
03/18/91	6010	Molybdenum	<0.1	350	0.1
03/18/91	6010	Nickel	<0.1	20	0.1
03/15/91	7740	Selenium	<0.05	1.0	0.05
03/18/91	6010	Silver	<0.1	5	0.1
03/18/91	6010	Thallium	<0.2	7.0	0.2
03/18/91	6010	Vanadium	<0.1	24	0.1
03/18/91	6010	Zinc	<0.1	250	0.1

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

*STLC = Soluble Threshold Limit Concentration, 22CAC66693 (CA Title 22).

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	See below	Date Sampled:	03/04,07/91
Lab Number:	9103068	Date Received:	03/07/91
Sample Matrix/Media:	Soil	Date Analyzed:	See below
Analytical Method:	See below		

Laboratory No.	Sample Identification	Reactive Cyanide (mg/kg)	Reactive Sulfide (mg/kg)
-01	Comp of CS26 A-D	<0.3	<10
-02	Comp of CSX-16A-CSX-16D	<0.3	<10
-03	Comp of CSX-17A-CSX-17D	<0.3	<10
-04	Comp of CSX-18A-CXS-18D	<0.3	<10
-MB	Method Blank	<0.3	<10
Limit of Detection		0.3	10
Analytical Method:		EPA SW-846 7.3.3.2	EPA SW-846 7.3.4.2
Date Analyzed:		03/14/91	03/20/91

< Less than the indicated limit of detection (LOD)

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	See below	Date Sampled:	03/04,07/91
Lab Number:	9103068	Date Received:	03/07/91
Sample Matrix/Media:	Soil	Date Analyzed:	See below
Analytical Method:	See below		

Laboratory No.	Sample Identification	Ignitability	pH (Standard Units)
-01	Comp of CS26 A-D	Not Ignitable	9.1
-02	Comp of CSX-16A-CSX-16D	Not Ignitable	8.6
-03	Comp of CSX-17A-CSX-17D	Not Ignitable	9.1
-04	Comp of CSX-18A-CXS-18D	Not Ignitable	9.3
Analytical Method:		EPA SW-846(7.1.2)	EPA 9045
Date Analyzed:		03/18/91	03/11/91

< Less than the indicated limit of detection (LOD)

Quality Assurance Results Summary
for
Clayton Project No. 91030.68

Clayton Lab Number: 9103068-01E
Ext./Prep. Method: EPA3010
Date: 03/18/91
Analyst: JSL
Std. Source: VHG0309

Analytical Method: EPA6010
Date: 03/18/91
Analyst: JSL
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	9.72	97	9.71	97	97	75	125	0.1	20
BARIUM	4.46	10.0	13.5	90	13.5	90	90	75	125	0.0	20
BERYLLIUM	ND	10.0	8.57	86	8.54	85	86	75	125	0.4	20
CADMIUM	ND	10.0	9.85	99	9 76	98	98	75	125	0.9	20
CHROMIUM	0.100	10 0	9.59	95	9.53	94	95	75	125	0.6	20
COBALT	0.300	10.0	9.75	95	9.74	94	94	75	125	0.1	20
COPPER	0.200	10.0	9.55	94	9.68	95	94	75	125	1.4	20
LEAD	0.500	10.0	10.3	98	10.2	97	98	75	125	1.0	20
MOLYBDENUM	ND	10.0	9.49	95	9 45	95	95	75	125	0.4	20
NICKEL	0.600	10.0	10.0	94	9.92	93	94	75	125	0.8	20
SILVER	ND	8.00	7.42	93	7.42	93	93	75	125	0.0	20
THALLIUM	ND	10 0	9.30	93	8.99	90	91	75	125	3.4	20
VANADIUM	0.500	10.0	10.1	96	10.0	95	96	75	125	1.0	20
ZINC	6.80	10.0	16.8	100	16.8	100	100	75	125	0.0	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. 91030.68

Clayton Lab Number: 9103068-01E
Ext./Prep. Method: EPA3020
Date: 03/15/91
Analyst: SUE
Std. Source: B 426141/404183

Analytical Method: EPA7060 7740
Date: 03/15/91
Analyst: SUE
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)
ARSENIC	0 130	2.00	1.83	85	1.86	87	86	75	125	1.6	20
SELENIUM	ND	2.00	1.90	95	1.91	96	95	75	125	0.5	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. 91030.68

Clayton Lab Number: 9103068-01E
Ext./Prep. Method: EPA7470
Date: 03/14/91
Analyst: SUE
Std. Source: EM MX0399-1

Analytical Method: EPA7470
Date: 03/14/91
Analyst: SUE
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)
MERCURY	ND	0.100	0.0890	89	0.0990	99	94	75	125	11	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. 91030.68

Clayton Lab Number: 9103068-04E
Ext./Prep. Method: EPA7.3.3.2
Date: 03/13/91
Analyst: LUZ
Std. Source: BAKER #3080-1

Analytical Method: EPA7_3_3_2
Date: 03/14/91
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	85.6	86	86 8	87	86	75	125	1.5	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. 91030.68

Clayton Lab Number: 9103068-04E
Ext./Prep. Method: EPA7.3.4.2
Date: 03/13/91
Analyst: SUE
Std. Source: KODAK #AOA

Analytical Method: EPA7 3 4 2
Date: 03/20/91
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	361	77	341	73	75*	75	125	5.6	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
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Lab Number:	9103068-01E	Date Extracted:	--
Extraction Method:	--	Date Analyzed:	03/18/91
Analytical Method:	EPA SW-846 (7.1.2)	Sample Matrix/Media:	Soil
Std. Source:	--	Units:	--

Analyte	Sample Result	Sample Duplicate Result
Ignitability	Not Ignitable	Not Ignitable

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (115)842-9591

Chevron Facility Number 5630
Facility Address 992 Grant Ave San Lorenzo
Consultant Project Number 7278.02
Consultant Name Getler Ryan
Address 2150 W Winton Ave Hayward
Project Contact (Name) Jeff Monroe
(Phone) 354-4800 783-7500 (Fax Number) 783-1089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior Clayton
Laboratory Release Number 4247210 5054290
Samples Collected by (Name) Clyde Celestine
Collection Date 3-4-91
Signature Clyde Celestine

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) E&F	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	RCT	CAM Wet 17 metals			Remarks
CSX-16A→D	4	S	C	11:30		Y								X	X			LAB #
CSX-17A→D	4	S	C	11:45		Y								X	X			C21→D Comp 4 to 1
CSX-18A→D	4	S	C	12:00		Y								X	X			C3→D
														X	X			C4→D

Please initial:
Samples Stored in ice. Y
Appropriate containers. Y
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Celestine	GSI	3-6-91/8:10		GIL	3-6-91 8:10
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GIL	3-6-91 11:10			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Date/Time	
				3/6/91 11:15A	

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

Relinquished by Superior to Clayton Lab

HJN v Maxine Gambino

Chain of Custody Record

9103068

Project No. _____

Project Name Superior Lab SF

Samplers Amyi A Nwogu

P.O. No. _____

Superior Analytical Laboratory
1555 Burke St. Unit L
San Francisco, CA 94124
(415) 647-2081

Sample Number	Date	Time	Location	Matrix	Number of Containers	Sample Preservation	TPH as Gasoline	BTXE	TPH as Diesel	Oil & Grease	8010	8240			
															See attached C-O-C for analysis Request and Instructions.

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time
1. Amyi A Nwogu	3/7/91	1. Rebecca Chevalier	3/7/91 5:10
2.		2.	
3.		3.	
4.		4.	

REMARKS:
The original C-O-C is attached for Gettler Ryan, please send results to Jeff Monroe, and invoice chevron. The release # is the correct one for Dayton.

Also another set sample ID CS26A-D is being sent from Chevron Lab. All to be rush

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Elegant Ave San Lorenzo
Consultant Project Number: 727802
Consultant Name: Geo Res Ren
Address: 2150 W Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone): 352-4800 (Fax Number): 783-7089

Chevron Contact (Name): Cynthia Wong
(Phone):
Laboratory Name: Superior Analytical
Laboratory Release Number: 4247210
Samples Collected by (Name): Claude Galantine
Collection Date: 2-20, 21-91
Signature: Claude Galantine

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)	TOG					Remarks
CS-26A→D	4	S	G	13:00	2-20	Y	X							X					Composite
CS-27A→D	4	"	"	14:00	"	"	"												of 1 thru 4
CS-28A→D	4	"	"	14:15	"	"	"												
CS-29A→D	4	"	"	14:30	"	"	"												
CS-30A→D	4	"	"	14:45	"	"	"												
CS-31A→D	4	"	"	15:00	"	"	"												
CS-32A→D	4	"	"	15:15	"	"	"												
CS-33A→D	4	"	"	15:30	"	"	"												
CS-34A→D	4	"	"	15:45	"	"	"												
CS-35A→D	4	"	"	16:00	"	"	"												
CS-36A→D	4	"	"	8:00	2-21	"	"												
CS-37A→D	4	"	"	9:15	"	"	"												
CS-38A→D	4	"	"	9:30	"	"	"												
CS-39A→D	4	"	"	9:45	"	"	"												

Relinquished by (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Claude Galantine	GST	2-22-91/9:00	Ben Lee	C/L	2-22-91 921	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
Yen Tran	C/L	2-22-91 1155				5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	(10 Days)
			Claude Galantine		2/22/91	As Contracted

Chain-of-Custody-Record

...on U.S.A. Inc.
...O. BOX 5004
...son Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave San Lorenzo
Consultant Project Number: 7278.02
Consultant Name: Getler Ryan
Address: 2150 W Winto Hayward
Project Contact (Name): Jeff Monroe
(Phone): 352-4800 (Fax Number): 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone):
Laboratory Name: Superior Analytical
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 2-21-91
Signature: Clyde Galantine

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type C = Grab G = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	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)						Remarks
CS-40A→D	4	S	G	9:00	2-21	Y	X												
CS-41A→D	4	"	"	9:15	"	"	"												Comp all 4's to 1
CS-42A→D	4	"	"	9:30	"	"	"												
CS-43A→D	4	"	"	9:45	"	"	"												
CS-44A→D	4	"	"	10:00	"	"	"												
CS-45A→D	4	"	"	10:15	"	"	"												
CS-46A→D	4	"	"	10:30	"	"	"												
CS-47A→D	4	"	"	10:45	"	"	"												
CS-48A→D	4	"	"	11:00	"	"	"												
CS-49A→D	4	"	"	11:15	"	"	"												
CS-50A→D	4	"	"	11:30	V	"	"												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	2-22-91/9:00	[illegible]	C/A	2-22-91 961
[illegible]	C/A	2-22-91 1155			
			Received for Laboratory By (Signature): [illegible]		2/22/91

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

Chain of Custody Record 9103068

Project No. 7253-1
Project Name Superior Analytical
Samplers Robin Paulson
P.O. No.

Superior Analytical Laboratory
825 Arnold Dr. Bay 2
Martinez, CA 94553
(415) 229-1512

Sample Number	Date	Time	Location (client sample name)	Matrix	Number of Containers	Sample Preservation	TPH as Gasoline	BTXE	TPH as Diesel	Oil & Grease	8010	8240	CAM 17	Reactivity	Flashpoint
8537-1	3/7/91	2:10pm	Comp CS26A,B,C,D										X	X	X

LAB # 9103068
-01A →

CAM 17 by STLC + add corrosivity per Robin Paulson 3/8/91

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time
1. Robin Paulson	8:20pm 3/7/91	1. Tracy Lake	3/7/91 3:40pm
2.		2.	
3.		3.	
4.		4.	

REMARKS:
Attn: Marianne Gambino
→ Release # 5054290
→ Send Results to client
→ Bill Chevron

⇒ There are 3 other sets to this job from our S.F. office

FILE COPY

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

April 2, 1991

Mr. Jeff Monroe
GETTLER-RYAN INC.
2150 West Winton Avenue
Hayward, CA 94545

ADDITIONAL REPORT
Client Ref. 5630/7278.02
Clayton Project No. 91030.68

Dear Mr. Monroe:

Attached is our analytical laboratory report for the samples received on March 7, 1991 from Superior Analytical Laboratory and originally reported to you on March 21, 1991. On March 26, 1991 you requested TCLP Metals analysis on composite of CSX-18A-CSX-18D. 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, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	COMP OF CSX-18A - CSX-18D	Date Sampled:	03/04/91
Lab Number:	9103068-04E	Date Received:	03/07/91
Sample Matrix/Media:	SOIL	Date Prepared:	03/26/91
Preparation Method:	EPA 1311	Date Analyzed:	03/28/91
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	1.0	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 03/28/91

Results of Analysis
for
Chevron U.S.A. Inc./Gettler Ryan Inc.

Client Reference: 5630/7278.02
Clayton Project No. 91030.68

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9103068-05A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	03/26/91
Preparation Method:	EPA 1311	Date Analyzed:	03/28/91
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	<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 03/28/91

Quality Assurance Results Summary
for
Clayton Project No. 91030.68

Clayton Lab Number: 9103068-04E
Ext./Prep. Method: EPA3010
Date: 03/27/91
Analyst. SUE
Std. Source: VHG0309

Analytical Method: EPA6010
Date: 03/28/91
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)
ARSENIC	ND	5.00	5 00	100	4.74	95	97	75	125	5.3	20
BARIUM	0 900	100	96 2	95	95 5	95	95	75	125	0 7	20
CADMIUM	ND	1.00	0.918	92	0.937	94	93	75	125	2.0	20
CHROMIUM	ND	5.00	4.76	95	4.74	95	95	75	125	0.4	20
LEAD	ND	5.00	4.99	100	4.90	98	99	75	125	1 8	20
SELENIUM	ND	1 00	1.03	103	1 13	113	108	75	125	9.3	20
SILVER	ND	4.00	3.84	96	3.83	96	96	75	125	0.3	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. 91030.68

Clayton Lab Number: 9103068-04E
Ext./Prep. Method: EPA7470
Date: 03/27/91
Analyst: SUE
Std. Source: EM MX0399-1

Analytical Method: EPA7470
Date: 03/28/91
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	0.0760	76	0.0790	79	78	75	125	3.9	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.

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 992 Grant Ave Sanlorenzo
Consultant Project Number: 7278.02
Consultant Name: Geffler Ryan
Address: 2150 W Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 354-4600 (Fax Number) 783-1087
783-7500

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior Clayton
Laboratory Release Number: 4247210 5054290
Samples Collected by (Name): Clyde Galentine
Collection Date: 3-4-91
Signature: Clyde Galentine

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type C = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520) E&F	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	RCT	CAM Wet 17 metals			Remarks
CSX-16A→D	4	S	C	11:30		Y								X	X			LAB # 021→D Comp 4 to 1
CSX-17A→D	4	S	C	11:45		Y								X	X			03→D
CSX-18A→D	4	S	C	12:00		Y								X	X			04→D

Please initial:
Samples Stored in ice. Y
Appropriate containers. Y
Samples preserved —
VOA's without headspace. —
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
Clyde Galentine	GSI	3-6-91/810		GIR	3-6-91 8:10	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
	GIR	3-6-91 11:10				5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					3/6/91 11:15A	As Contracted

Relinquished by Superior to Clayton Labs 3/7/91

COC-1.DWG ... PC TCM

Chain of Custody Record

9103068

Project No. _____

Project Name Superior Lab SF

Samplers Enyi A Nwogu

P.O. No. _____

Superior Analytical Laboratory
1555 Burke St. Unit L
San Francisco, CA 94124
(415) 647-2081

Sample Number	Date	Time	Location	Matrix	Number of Containers	Sample Preservation	TPH as Gasoline	BTXE	TPH as Diesel	Oil & Grease	8010	8240			
															See attached C-O-C for analysis Request and Instructions.

Relinquished By (Signature)	Date/Time	Received By (Signature)	Date/Time
1. Enyi A Nwogu	3/7/91	1. Rebecca Chaudh	3/7/91 5:10
2.		2.	
3.		3.	
4.		4.	

REMARKS:
The original C-O-C is attached for Gettler Ryan, please send results to Jeff Monroe, and invoice chevron. The release # is the correct one for dayton.

Also another set sample ID CS26A-D is being sent from Chevron (sb). All to be

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11999
CLIENT: Chevron USA Inc.
CLIENT JOB NO.: 7278.04

DATE RECEIVED: 06/21/91
DATE REPORTED: 06/28/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11999- 1	CS-89	06/21/91	06/25/91
11999- 2	CS-90	06/21/91	06/25/91
11999- 3	CS-91	06/21/91	06/25/91
11999- 4	CS-92	06/21/91	06/25/91
11999- 5	CS-93	06/21/91	06/25/91
11999- 6	CS-94	06/21/91	06/25/91
11999- 7	CS-95	06/21/91	06/25/91
11999- 8	CS-96	06/21/91	06/25/91
11999- 9	CS-97	06/21/91	06/25/91
11999-10	CS-98	06/21/91	06/25/91

Laboratory Number:	11999 1	11999 2	11999 3	11999 4	11999 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	14
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.024
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.020
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	0.013

Laboratory Number:	11999 6	11999 7	11999 8	11999 9	11999 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	2	1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	0.006	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE. UNIT I • SAN FRANCISCO CA 94124 • PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 11999

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 08/24/90

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 04/09/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	08/24/90	200ng	68/65	4.5	58-120
Benzene	04/09/91	200ng	109/108	0.9	65-121
Toluene	04/09/91	200ng	109/110	0.5	65-120
Ethyl Benzene	04/09/91	200ng	103/102	1.0	65-122
Total Xylene	04/09/91	600ng	101/99	1.3	65-122

Richard Srna, Ph.D.
Laboratory Director

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave San Lorenzo
Consultant Project Number: 7278.04
Consultant Name: Gettler-Ryan
Address: 2150 W Winton Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Nancy Vukelich
(Phone)
Laboratory Name: Superior
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 6-21-91
Signature: Clyde Galantine

Analyses To Be Performed

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Chlorinated HC (8010)	Non Chlorinated HC (8020)	Total Lead (AA)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
CS-89	1	S	G	1:45		Y	X												
CS-90	↓	↓	↓	1:50		↓	↓												
CS-91				1:55															
CS-92				2:00															
CS-93				2:05															
CS-94				2:15															
CS-95				2:20															
CS-96				2:35															
CS-97				2:40															
CS-98	↓	↓	↓	2:50		↓	↓												

Please initial:
Samples Stored in ice: (R)
Appropriate containers: Y
Samples preserved: Y
VOA's without headspace:
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	6-21/3:46	Marge Mitchell	Express	6/21 3:48
[signature]	ECS	6-21 1725			
			Received For Laboratory By (Signature): M - Golitenky		6/21/91 17:25

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

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

GETTLER-RYAN INC.
GENERAL CONTRACTORS

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83535
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 07/18/91
DATE REPORTED: 07/25/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
83535- 1	CS-99	07/18/91	07/24/91
83535- 2	CS-100	07/18/91	07/23/91
83535- 3	CS-101	07/18/91	07/23/91
83535- 4	CS-102	07/18/91	07/24/91
83535- 5	CS-103	07/18/91	07/23/91
83535- 6	CS-104	07/18/91	07/23/91
83535- 7	CS-105	07/18/91	07/23/91
83535- 8	CS-106	07/18/91	07/24/91
83535- 9	CS-107	07/18/91	07/24/91
83535-10	CS-108	07/18/91	07/25/91

Laboratory Number:	83535 1	83535 2	83535 3	83535 4	83535 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	0.010	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	0.006	ND<.005	ND<.005	ND<.005	ND<.005

Laboratory Number:	83535 6	83535 7	83535 8	83535 9	83535 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83535
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 07/18/91
DATE REPORTED: 07/25/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
83535-11	CS-109	07/18/91	07/24/91
83535-12	CS-110	07/18/91	07/24/91
83535-13	CS-111	07/18/91	07/24/91
83535-14	CS-112	07/18/91	07/24/91
83535-15	CS-113	07/18/91	07/25/91
83535-16	CS-114	07/18/91	07/24/91
83535-17	CS-115	07/18/91	07/24/91
83535-18	CS-116	07/18/91	07/23/91
83535-19	CS-117	07/18/91	07/23/91
83535-20	CS-118	07/18/91	07/23/91

Laboratory Number:	83535 11	83535 12	83535 13	83535 14	83535 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.007
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	0.005

Laboratory Number:	83535 16	83535 17	83535 18	83535 19	83535 20
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83535
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 07/18/91
DATE REPORTED: 07/25/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
83535-21	CS-119	07/18/91	07/23/91
83535-22	CS-120	07/18/91	07/23/91
83535-23	CS-121	07/18/91	07/23/91
83535-24	CS-122	07/18/91	07/24/91
83535-25	CS-123	07/18/91	07/23/91
83535-26	CS-124	07/18/91	07/23/91
83535-27	CS-125	07/18/91	07/25/91
83535-28	CS-126	07/18/91	07/23/91
83535-29	CS-127	07/18/91	07/23/91
83535-30	CS-128	07/18/91	07/25/91

Laboratory Number:	83535 21	83535 22	83535 23	83535 24	83535 25
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	9	2	11
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	0.036	0.011	0.059
ETHYL BENZENE:	ND<.005	ND<.005	0.023	0.006	0.030
XYLENES:	ND<.005	ND<.005	0.040	0.010	0.062

Laboratory Number:	83535 26	83535 27	83535 28	83535 29	83535 30
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	0.011
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	0.009	ND<.005	ND<.005	ND<.005	0.011

SUPERIOR ANALYTICAL LABORATORIES, INC.

825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83535
CLIENT: Gettler Ryan Co.
CLIENT JOB NO.: 7278.02

DATE RECEIVED: 07/18/91
DATE REPORTED: 07/25/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
83535-31	CS-129	07/18/91	07/24/91
83535-32	CS-130	07/18/91	07/24/91

Laboratory Number:	83535 31	83535 32
ANALYTE LIST	Amounts/Quantitation Limits (mg/Kg)	
OIL AND GREASE:	NA	NA
TPH/GASOLINE RANGE:	4	ND<1
TPH/DIESEL RANGE:	NA	NA
BENZENE:	ND<.005	ND<.005
TOLUENE:	0.027	ND<.005
ETHYL BENZENE:	0.013	ND<.005
XYLENES:	0.030	ND<.005

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 83535

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 06/26/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 07/08/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	06/26/91	200 ng	114/112	2	70-130
Benzene	07/08/91	200 ng	103/100	3	70-130
Toluene	07/08/91	200 ng	101/100	1	70-130
Ethyl Benzene	07/08/91	200 ng	103/101	2	70-130
Total Xylene	07/08/91	200 ng	98/97	1	70-130

Richard Srna, Ph.D.
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

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

Job # 65565

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Avenue San Lorenzo
Consultant Project Number: 727802
Consultant Name: Getler-Ryans
Address: 2150 W Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone):
Laboratory Name: Superior
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 7-18-91
Signature: Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
CS-113		1	S	G	12:00		Y	X												
CS-114					12:20															
CS-115					12:25															
CS-116					12:30															
CS-117					12:35															
CS-118					12:40															
CS-119					12:45															
CS-120					12:50															
CS-121					1:05															
CS-122					1:10															
CS-123					1:15															
CS-124					1:20															
CS-125					1:25															
CS-126					1:30															

Please Initial: ____ MW
Samples Stored in ____ MW
Appropriate containers ____ MW
Samples preserved ____ MW
VOA's without l. space ____ MW
Comments: ____

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	7-18/5:14	Paul M	EXPRESS-IT	7/18/91 17:15
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
Paul Mark	EXPRESS-IT	7/18/1818	Brenda L-Oli		

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

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

JOB # 83535

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 7278.02
Consultant Name Getter-Ryan
Address 2150 W Winton Ave Hayward
Project Contact (Name) Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-0689

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galantine
Collection Date 7-18-91
Signature Clyde Galanta

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
CS-127		1	S	G	1:45		Y	X												
CS-128		↓	↓	↓	1:50		↓	X												
CS-129		↓	↓	↓	1:55		↓	X												
CS-130		↓	↓	↓	2:00		↓	X												

Please Initial:
Samples Stored in ice
Appropriate containers
Samples preserved
VOA's without headspace
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galanta	GSI	7-18/5:14	Paul Pan	EXPRESS-II	7/18/91 1715
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
Paul Pan	EXPRESS-II	7/18/91 1814	Brenda C. Oliver		

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

COC-3.UWG/UJ 91/MCH

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

Job # 03535

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Avenue San Lorenzo
Consultant Project Number: 7278.02
Consultant Name: Getler Ryan
Address: 2150 W Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Wong
(Phone)
Laboratory Name: Superior
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 7-18-91
Signature: Clyde Galantine

Sample Number	Lab 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)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
CS-99		1	S	G	9:45		Y	X												
CS-100					10:40															
CS-101					10:45															
CS-102					10:50															
CS-103					10:55															
CS-104					11:00															
CS-105					11:05															
CS-106					11:10															
CS-107					1:30															
CS-108					1:35															
CS-109					1:40															
CS-110					1:45															
CS-111					1:50															
CS-112					1:55															

Analyses To Be Performed

Please Initial:
Samples Stored in ice. PW
Appropriate containers PW
Samples preserved PW
VOA's without headspace PW
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	7-18/5:14	[illegible]	Esperseth	7/18/91 1715
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
[illegible]	Esperseth	7/18/91 1815	Brenda L Oliver		

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

COC-3.DWG/03 91/HCH

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 12130
CLIENT: Chevron, USA
CLIENT JOB NO.: 7278.04

DATE RECEIVED: 07/29/91
DATE REPORTED: 08/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
12130- 1	CS-131	07/29/91	08/01/91
12130- 2	CS-132	07/29/91	08/01/91
12130- 3	CS-133	07/29/91	08/01/91
12130- 4	CS-134	07/29/91	08/01/91
12130- 5	CS-135	07/29/91	08/01/91
12130- 6	CS-136	07/29/91	08/01/91
12130- 7	CS-137	07/29/91	08/01/91
12130- 8	CS-138	07/29/91	08/01/91
12130- 9	CS-139	07/29/91	08/01/91
12130-10	CS-140	07/29/91	08/01/91

Laboratory Number:	12130 1	12130 2	12130 3	12130 4	12130 5
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

Laboratory Number:	12130 6	12130 7	12130 8	12130 9	12130 10
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 12130
CLIENT: Chevron, USA
CLIENT JOB NO.: 7278.04

DATE RECEIVED: 07/29/91
DATE REPORTED: 08/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
12130-11	CS-141	07/29/91	08/01/91
12130-12	CS-142	07/29/91	08/02/91
12130-13	CS-143	07/29/91	08/01/91
12130-14	CS-144	07/29/91	08/01/91
12130-15	CS-145	07/29/91	08/02/91
12130-16	CS-146	07/29/91	08/01/91
12130-17	CS-147	07/29/91	08/01/91
12130-18	CS-148	07/29/91	08/01/91
12130-19	CS-149	07/29/91	08/01/91
12130-20	CS-150	07/29/91	08/01/91

Laboratory Number:	12130 11	12130 12	12130 13	12130 14	12130 15
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	2
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	0.013

Laboratory Number:	12130 16	12130 17	12130 18	12130 19	12130 20
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 12130
CLIENT: Chevron, USA
CLIENT JOB NO.: 7278.04

DATE RECEIVED: 07/29/91
DATE REPORTED: 08/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
12130-21	CS-151	07/29/91	08/01/91
12130-22	CS-152	07/29/91	08/01/91
12130-23	CS-153	07/29/91	08/01/91
12130-24	CS-154	07/29/91	08/01/91
12130-25	CS-155	07/29/91	08/01/91
12130-26	CS-156	07/29/91	08/01/91
12130-27	CS-157	07/29/91	08/01/91
12130-28	CS-158	07/29/91	08/01/91
12130-29	CS-159	07/29/91	08/01/91

Laboratory Number:	12130 21	12130 22	12130 23	12130 24	12130 25
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005

Laboratory Number:	12130 26	12130 27	12130 28	12130 29
ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)			
OIL AND GREASE:	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	ND<.005	ND<.005	ND<.005

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE UNIT I · SAN FRANCISCO CA 94124 · PHONE (415) 647-2081 DOHS #1332

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 12130

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 07/23/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 06/13/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	07/23/91	200ng	93/93	0.0	59-121
Benzene	06/13/91	200ng	93/97	4.2	70-125
Toluene	06/13/91	200ng	96/101	5.1	74-116
Ethyl Benzene	06/13/91	200ng	99/104	4.4	75-120
Total Xylene	06/13/91	600ng	100/105	4.6	75-119

Richard Srna, Ph.D.
Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No ~~EXPH~~ 12/30

Chain-of-Custody-Record

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

Chevron Facility Number: 5630
Facility Address: 997 Grant Ave San Lorenzo
Consultant Project Number: 7278.04
Consultant Name: Getter-Ryan
Address: 2150 W. Winton Ave Hayward
Project Contact (Name): Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-1089

Chevron Contact (Name): Cynthia Won
(Phone)
Laboratory Name: Superior
Laboratory Release Number: 4247210
Samples Collected by (Name): Clyde Galantine
Collection Date: 7-29-91
Signature: Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
CS-131		1	S	G	9:40		Y	X												
CS-132					10:15															
CS-133					10:20															
CS-134					10:25															
CS-135					10:30															
CS-136					10:35															
CS-137					10:40															
CS-138					10:45															
CS-139					10:50															
CS-140					10:55															
CS-141					11:00															
CS-142					11:05															
CS-143					11:10															
CS-144		↓	↓	↓	11:15		↓	↓												

Please initial:
Samples Stored in ice.
Appropriate containers.
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	7-29/2:15	W Eich	EXP-1X	7-29-91 14:14
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
W. Eich	EXP-1X	7-29-91			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					7/29/91 16:10

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

COC-3.DWG/03 91/HCH

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 4/24 12/30

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 7278.04
Consultant Name Gettler-Ryan
Address 2150 W. Winton Ave Hayward
Project Contact (Name) Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-6089

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galantine
Collection Date 7-29-91
Signature Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
CS-145		1	S	G	11:20		Y	X												
CS-146					11:25															
CS-147					11:30															
CS-148					11:35															
CS-149					11:40															
CS-150					11:45															
CS-151					11:55															
CS-152					12:00															
CS-153					12:05															
CS-154					1210															
CS-155					12:15															
CS-156					12:20															
CS-157					12:25															
CS-158					12:30															

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	7-29/2:15	W. EICH	EXP-IT	7-29-91 14:15
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
W. Eich	EXP-IT	7-29-91			
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time

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

COC-3.DWG/03 91/HCH

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No ~~12/29~~ 12/30

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number 5630 Facility Address 997 Grant Ave San Lorenzo Consultant Project Number 7278.04 Consultant Name Gettler Ryan Address 2150 W Winton Ave Hayward Project Contact (Name) Jeff Monroe (Phone) 352-4800 (Fax Number) 783-1089	Chevron Contact (Name) Cynthia Wong (Phone) Laboratory Name Laboratory Release Number 4247210 Samples Collected by (Name) Clyde Galantine Collection Date 7-29-91 Signature Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
CS-159		1	S	G	12:35		Y	X													

Analyses To Be Performed

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	GSI	7-29/2:15	W. Eick	GXP-IT	7-29-91 14:15
W Eick	EXP-IT	7-29-91			
			Recieved For Laboratory By (Signature):		

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

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821 7123

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

LABORATORY NO.: 12254
CLIENT: Chevron, USA
CLIENT JOB NO.: 7278.04

DATE RECEIVED: 08/26/91
DATE REPORTED: 09/03/91

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
12254- 1	CX-24S	08/26/91	08/30/91

Laboratory Number: 12254
1

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)
OIL AND GREASE:	NA
TPH/GASOLINE RANGE:	5
TPH/DIESEL RANGE:	NA
BENZENE:	ND<.005
TOLUENE:	0.049
ETHYL BENZENE:	0.012
XYLENES:	0.015

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-7081 / fax (415) 821-7123

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

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 12254

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = part per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg
Standard Reference: 07/23/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg
Standard Reference: 06/13/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	07/23/91	200ng	100/97	2.8	59-121
Benzene	06/13/91	200ng	100/95	4.6	70-125
Toluene	06/13/91	200ng	104/99	4.9	74-116
Ethyl Benzene	06/13/91	200ng	103/99	4.5	75-120
Total Xylene	06/13/91	600ng	104/100	3.8	75-119

Richard Srna, Ph.D.
Laboratory Director

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

Chain-of-Custody-Record

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

Chevron Facility Number 5630
Facility Address 997 Grant Ave San Lorenzo
Consultant Project Number 7278.04
Consultant Name ~~[illegible]~~ Getter-Ryan
Address 2150 W Winton Hayward CA
Project Contact (Name) Jeff Monroe
(Phone) 352-4800 (Fax Number) 783-0085

Chevron Contact (Name) Cynthia Wong
(Phone)
Laboratory Name Superior
Laboratory Release Number 4247210
Samples Collected by (Name) Clyde Galentine
Collection Date 8-26-91
Signature Clyde Galentine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
QX-245		1	S	G	3:10		Y	X												

Please initial:
Samples Stored in ice. ✓
Appropriate containers. ✓
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galentine	GSI	8-26-91/1400	Refrigerator	GSI	8-26-91/1400
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[illegible]	GSI	8-26-91/1700	[illegible]	G/R	8-26-91 1700
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
[illegible]	G/R	8-26-91 1855	[illegible]		8/26/91 1855

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